

20020320.qrp v02_n500.qrl.20020320

Date: Wed, 20 Mar 2002 19:03:07 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2500

QRP-L Digest 2500

Topics covered in this issue include:

- 1) [122594] FT-243 Crystal Sockets Here Too
by Chuck Carpenter <w5usj@9plus.net>
- 2) [122595] Re: tube transmitters
by David Porter <aa3ur@comcast.net>
- 3) [122596] Monday Night's 30M Beacon Summary
by Paul Stroud <aa4xx@ipass.net>
- 4) [122597] Re: One-Masted Sloop
by wkhibbert@juno.com
- 5) [122598] Re: Homebrewed Open-Wire Feedline - test
by William R Colbert <w5xe@juno.com>
- 6) [122599] Re: Life's Little Trade-off's
by Patrick Gardella <pgardella@yahoo.com>
- 7) [122600] CUB FOX: NQ7T on the sidelines
by "Gary O. Lyons" <drgary@urx.com>
- 8) [122601] Spartan Sprint PONDERINGS
by ARDUJENSKI@aol.com
- 9) [122602] RE: Simple tube transmitter;Manhatan Style
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 10) [122603] FS: Tube transmitter parts
by "Howard Kraus" <K2UD@adelphia.net>
- 11) [122604] RE: Simple tube transmitter;Manhatan Style
by Dave Richards <wr3i@earthlink.net>
- 12) [122605] CFNO -- Going to be Interesting...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 13) [122606] Re: tube transmitters
by "Trevor Jacobs" <fxtech@earthlink.net>
- 14) [122607] KD5KXF will miss CFNO if Thunderstorm continues
by "Mike Malone" <mmalone@worldlogon.com>
- 15) [122608] Re: tube transmitters
by "Gordon Cougar" <gcouger@provalue.net>
- 16) [122609] Re: tube rig - some more thoughts!
by Monty N5FC <n5fc@io.com>
- 17) [122610] downloadable tube data base
by Claude <mck20@yahoo.com>
- 18) [122611] Re: tube rig - some more thoughts!
by Steve Smith <sigcom@juno.com>
- 19) [122612] CFNO Any Luck?

by "Trevor Jacobs" <fxtech@earthlink.net>

20) [122613] CFNO -- Looking for Business...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

21) [122614] Re: Tube talk
by "Brad Hernlem" <alihernlem@hotmail.com>

22) [122615] Re: Tube Transmitters
by John Farler <jfarler@peoplepc.com>

23) [122616] Re: CFNO Any Luck?
by "Jason Nochlin" <jman0iin@attbi.com>

24) [122617] Re: CFNO Any Luck?
by "Trevor Jacobs" <fxtech@earthlink.net>

25) [122618] Re: CUB FOX: CFNO Tonight!
by "Mike WA8BXN" <hubby2k@hotmail.com>

26) [122619] Re: CUB FOX: CFNO Tonight!
by Macstein@aol.com

27) [122620] CFNO first results
by Richard Clem <clem.law@usa.net>

28) [122621] CFNO results
by "Jim Stamper" <jstamper@shentel.net>

29) [122622] Re:CFNO Any Luck?
by RLemmel@aol.com

30) [122623] Re: CUB FOX: CFNO Tonight!
by "Dave WR50" <dendav@dzdn.com>

31) [122624] CFNO -- Tough Night...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

32) [122625] FOX: W0IS Preliminary CFNO log
by Richard Clem <clem.law@usa.net>

33) [122626] Re: [Re:CFNO Any Luck?]
by "P.Ermisch" <ermisch@usa.net>

34) [122627] Re: CFNO first results
by Dave Sjolín <sjolin@swbell.net>

35) [122628] FOX -- AG0T Preliminary CFNO Log
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

36) [122629] Fox Hunting - THANKS!!!
by "Trevor Jacobs" <fxtech@earthlink.net>

37) [122630] Help finding FT-243 Crystals ??? For QRP frequencies and AM Phone Frequencies
by w4clm.ham@juno.com

38) [122631] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM Phone Frequencies
by "Trevor Jacobs" <fxtech@earthlink.net>

39) [122632] 829b over simplification
by "Gordon Cougar" <gcouger@couger.com>

40) [122633] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM Phone Frequencies
by w4clm.ham@juno.com

41) [122634] Re: Building a tube QRP xmitter
by Harry Hurst <wa3ptg@comcast.net>

- 42) [122635] Re: Simple tube transmitter;Manhatan Style
by "Pastor-KC1DI" <elbc@pivot.net>
- 43) [122636] Value of Fox Hunts
by Ed Lawson (K1VP) <k1vp@grizzly.com>
- 44) [122637] FOX: K04WX Cub Fox Night Out Results...
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 45) [122638] Tubes and Toroids
by Chuck Carpenter <w5usj@9plus.net>
- 46) [122639] FT-243 Crystals For Sale
by KKANALZ@prodigy.net
- 47) [122640] QRP XMTR TUBE CHOICE
by "W2WU" <w2wurjj@verizon.net>
- 48) [122641] History of the quartz crystal
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 49) [122642] Fw: QRP tube Radio Kit
by "Mike Standbridge" <ve7mst@goldcity.net>
- 50) [122643] CUB FOX: CNFO, the morning after.
by "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
- 51) [122644] parts for sale tube type
by N4SKS@cs.com
- 52) [122645] CUB FOX: KA8MAV CFNO Log
by "Brice D. Hornback" <bdh@cyberbound.net>
- 53) [122646] Re: (re) Prewound Torroids
by Bill Coleman <aa4lr@arrl.net>
- 54) [122647] Re: (re) Prewound Torroids
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [122648] Pixie key click reduction
by "Ian Wilson" <ianmwilson@earthlink.net>
- 56) [122649] Re: Antenna question... trap dipoles
by "Mike Yetsko" <myetsko@insydesw.com>
- 57) [122650] Re: Surf CPO
by "blinn" <blinn@smgazette.com>
- 58) [122651] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone
Frequencies
by Bruce Muscolino <w6toy@erols.com>
- 59) [122652] Re: (re) Prewound Torroids
by "w8diz" <w8diz@fpqrp.com>
- 60) [122653] Re: Surf CPO
by "Mike Yetsko" <myetsko@insydesw.com>
- 61) [122654] Re: QRP XMTR TUBE CHOICE
by "Dave Benson" <nn1g@earthlink.net>
- 62) [122655] Torroidal cores, need help identifying, an update
by "Patrick Cummins" <pcummins@misnet.com>
- 63) [122656] Re: QRP XMTR TUBE CHOICE
by "Brice D. Hornback" <bdh@cyberbound.net>
- 64) [122657] FOX: N0IT Preliminary CFNO Log
by Dave Sjolín <sjolin@swbell.net>

- 65) [122658] ALTOIDS TINS
by DENNIS SMITH <ne4o@swbell.net>
- 66) [122659] RE: Pixie key click reduction
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 67) [122660] Re: QRP XMTR TUBE CHOICE
by Chuck Carpenter <w5usj@9plus.net>
- 68) [122661] Re: ALTOIDS TINS
by John Wagner <john@wagner-usa.net>
- 69) [122662] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencie
by "Brad Hernlem" <alihernlem@hotmail.com>
- 70) [122663] Re: ALTOIDS TINS
by baltimoremd@baltimoremd.com
- 71) [122664] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencies
by William R Colbert <w5xe@juno.com>
- 72) [122665] Re: ALTOIDS TINS
by "Mike Yetsko" <myetsko@insydesw.com>
- 73) [122666] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencie
by "Brad Hernlem" <alihernlem@hotmail.com>
- 74) [122667] JAN QQ
by DENNIS SMITH <ne4o@swbell.net>
- 75) [122668] ALTOIDS TINS versus Baking Pans
by KKANALZ@prodigy.net
- 76) [122669] FT-243 versus FT-241
by KKANALZ@prodigy.net
- 77) [122670] FS: DSW-20
by "Alan Fryer" <N3BJ@hotmail.com>
- 78) [122671] Re: parts for sale tube type...sold
by N4SKS@cs.com
- 79) [122672] Re: ALTOIDS TINS
by "Mike Boatright" <ko4wx@mindspring.com>
- 80) [122673] Re: rain and open wire line
by bam yb0ko/1 SOETRISNO <unclebam@indosat.net.id>
- 81) [122674] Re: FT-243 versus FT-241
by "Brad Hernlem" <alihernlem@hotmail.com>
- 82) [122675] Re: (re) Prewound Torroids
by Bill Coleman <aa4lr@arrl.net>
- 83) [122676] Re: (re) Prewound Torroids
by "Mike Yetsko" <myetsko@insydesw.com>
- 84) [122677] Ten tec 208A ?
by <n2go@arrl.net>
- 85) [122678] Re: FT-243 versus FT-241
by W2AGN <w2agn@pobox.com>
- 86) [122679] Re: CUB FOX: CNFO, the morning after.
by "George, W5YR" <w5yr@att.net>
- 87) [122680] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM

Phone Frequencies

- by "Trevor Jacobs" <fxtech@earthlink.net>
88) [122681] Miracle Whip Antenna
by "Vincent A. Santis" <vsantis@earthlink.net>
89) [122682] Re: Miracle Whip Antenna
by W2AGN <w2agn@pobox.com>
90) [122683] WTB: Electroplating device
by "Tracy Markham" <tracy@bytemark.com>
91) [122684] RE: Miracle Whip Antenna
by "Ray Goff" <radioham@gmx.co.uk>
92) [122685] Re: JAN QQ
by Bruce Muscolino <w6toy@erols.com>
93) [122686] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM

Phone

- Frequencie
by Bruce Muscolino <w6toy@erols.com>
94) [122687] Re: CUB FOX: CNFO, the morning after.
by Dave Sjolin <sjolin@swbell.net>
95) [122688] Re: Building a tube QRP xmitter
by David Hinerman <wd8civ@worldnet.att.net>
96) [122689] joel's truck revisited again
by hamjoel@juno.com
97) [122690] Good mail day, de N4UY
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
98) [122691] Re: Miracle Whip Antenna
by "Karl F. Larsen" <k5di@zianet.com>
99) [122692] Re: Ten tec 208A ?
by David Gauding <david.gauding@bbs.galilei.com>
100) [122693] Wire Temperature Ratings & solder pots (was - RE: Prewound Torroids)
by "Tracy Markham" <tracy@bytemark.com>
101) [122694] Re: Tinning Torroids
by "DIANNE M WISE" <roy537@prodigy.net>
102) [122695] Re: Miracle Whip Antenna
by "d l" <nr2v@northnet.org>
103) [122696] tube transmitters for beginners
by "Stuart Rohre" <rohre@arlut.utexas.edu>
104) [122697] Re: Miracle Whip Antenna
by W2AGN <w2agn@pobox.com>
105) [122698] Tinning wire on torids.
by DENNIS SMITH <ne4o@swbell.net>
106) [122699] AMECO AC-1
by DENNIS SMITH <ne4o@swbell.net>
107) [122700] Re: Miracle Whip Antenna
by Mizuho@aol.com
108) [122701] Re: QRP XMTR TUBE CHOICE
by KKANALZ@prodigy.net
109) [122702] Re: AMECO AC-1
by "K7FD N7SG" <k7fd@hotmail.com>

- 110) [122703] Re: AMECO AC-1
by "Rob Matherly" <kc0bom@arrl.net>
- 111) [122704] I Didn't Say That!
by KKANALZ@prodigy.net
- 112) [122705] Re: QRP XMTR TUBE CHOICE
by "Mike Branca" <w3irz@att.net>
- 113) [122706] Nuvistor was: QRP XMTR TUBE CHOICE
by "KD3PC" <kd3pc@mindspring.com>
- 114) [122707] FS: Various Ham Band crystals
by Dave Redfearn <n4elm@attbi.com>
- 115) [122708] Difficulty posting
by MITCHELLRI@aol.com
- 116) [122709] Re: Miracle Whip Antenna
by W2AGN <w2agn@pobox.com>
- 117) [122710] Degauss BALUN cores
by John R Kirby <n3aaz-qrp@juno.com>
- 118) [122711] OT - FW: A New Form of Matter
by "Ed Tanton" <n4xy@earthlink.net>
- 119) [122712] One tube transceiver ?
by David Porter <aa3ur@comcast.net>
- 120) [122713] Re: One tube transceiver ?
by "Howard Kraus" <K2UD@adelphia.net>
- 121) [122714] Re: Tinning Torroids
by David Hinerman <wd8civ@worldnet.att.net>
- 122) [122715] Re: FT-243 versus FT-241
by Pete Burbank <plburbank@kih.net>
- 123) [122716] Milliwattting de W9PNE
by David Gauding <david.gauding@bbs.galilei.com>

Date: Tue, 19 Mar 2002 18:12:30 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [122594] FT-243 Crystal Sockets Here Too
Message-ID: <3.0.2.32.20020319181230.006a34f4@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

If you don't find them elsewhere, Ocean State Electronics has them for \$3.95.

http://www.oselectronics.com/ose_p33.htm

Octal sockets might be less costly.

Chuck Carpenter, W5USJ, Point, Rains Co, TX EM22cv, NE-TX QRP #1

Date: Tue, 19 Mar 2002 19:17:23 -0500
From: David Porter <aa3ur@comcast.net>
To: carlseye@tampabay.rr.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122595] Re: tube transmitters
Message-ID: <00ab01c1cfa4\$9ce62840\$927ba8c0@jamison1.pa.home.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

The venerable Johnson Ranger had a pull off knob that revealed a place where two crystals could be plugged...an octal socket. (I think that's what I remember....)

David Porter AA3UR
aa3ur@comcast.net

----- Original Message -----

From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, March 19, 2002 6:06 PM
Subject: Re: tube transmitters

> Dennis said "8 pin tube sockets don't look right " for FT243 crystals.
> Dennis, that's what I used in the late 40's and was happy to have them!!!
I
> grant you, FT243 crystals are not easy to find today but please don't
think
> that tube socket 'don't look right'. there are probably 100's , if not
> 1000's , of hams out there who used octal sockets because they couldn't
find
> or couldn't afford the sockets for there xtals!!!!
> Besides, if you use an octal socket and a switch you'll have two xtals to
> use!!!!
> carl / kz5ca
> ----- Original Message -----
> From: "DENNIS SMITH" <ne4o@swbell.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, March 19, 2002 5:35 PM
> Subject: tube transmitters
>
>
> > Guys and gals.

> > With all this stuff about building tube transmitters i have gotten the
> urge
> > to build tube stuff again. My junk box many 1000's of tubes and many
tube
> > sockets, variable capacitors, transformers, but the thing i can't find
> > priced reasonable is ft-243 crystals and sockets, I have used 8 pin
octal
> > sockets for crystal holders but it don't look right. hi hi Does anyone
> have
> > a good place to obtain ft243 xtals without taking out a loan????
> > thanks DENNIS W5VAF
> > THE BUILDING KID FROM ARKANSAS.
> > HAM 37 PLUS YEARS.
> >
>

Date: Tue, 19 Mar 2002 19:42:38 -0500
From: Paul Stroud <aa4xx@ipass.net>
To: "qrssknights@cmts.be" <qrssknights@cmts.be>
Cc: qrp-1@lehigh.edu
Subject: [122596] Monday Night's 30M Beacon Summary
Message-ID: <3C97DAFE.BFD313CF@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gents,

Many thanks for the reception reports from last night's QRSS beacon session. Three power levels were used--10mW, 20mW, and 50mW. The codewords associated with the different power levels were names of Belgian cities.

The following folks sent in reports:

10mW session--Codeword "Ghent"

Doing a bit of extrapolation -- your current code word (at 0050Z) is Ghent. Noise wiped out the "h". We are in the midst of a Colorado snow storm and I just tuned up. 72 de George K0CNT

Ghent is not in my Atlas-- guess they use the other spelling of

Gent. Ghent is southwest of Antwerpen. Ken Brown-N4SO Mobile, AL

Last night at 0035-0103 z I monitored your beacon.
I copied: AA4XX 10 mw GHENT Your signal was also audible at about a
339... ARGO works well for me and this QRSS stuff. Fred VE3FAL

Thank you for the tour of GHENT tonight. Dave W0CH, Seneca, MO

20mW session--Codeword "Oostende"

I am currently receiving "Oostende" (0240Z). Your signal is about
10-14db above ground noise level, and the Colorado snowstorm still
rages. Again, some extrapolating of signal required. If I had more
time I'd play around with Speclab to improve the visual. 72 de George
K0CNT

All I had time for tonight was one word: OOSTENDE Could barely hear you
down in the muck, but the K2 pulled you out nicely. Thanks again for
the challenge!! Screen shots attached...71, Jason N8XE

Second one looks like OESTEND. Ken Brown-N4SO Mobile, AL

Copied OOSTENDE. Dave W0CH, Seneca, MO

50mW session--Codeword "Liege"

Your 50 MW is blasting in here, solid copy, peaking 35 to 40db
above the noise. Codeword LIEGE. The signal is very audible in the
'phones. Dave W0CH, Seneca, MO

Third one looks like LIEGE. Ken Brown-N4SO Mobile, AL

72 till next session, Paul AA4XX nr. Raleigh, NC

Date: Tue, 19 Mar 2002 19:38:20 -0500
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [122597] Re: One-Masted Sloop
Message-ID: <20020319.195035.-443385.1.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Keith here in the Depths of the Great Bergen Swamp.

The "One-Masted Sloop" was published in an ARRL publication ages ago, in fact it was the lead article in the ARRL "Antenna Compendium, Volume 1"

I have misplaced my copy of that publication and can't remember when it was published other than sometime in the early 80's or recall the callsign of the original article.

I had a 40M sloping loop up when I was operating from Rush, NY in 1987 - 1991 and it sloped from a mast on the roof off to the garage. I got it tweaked in for <2.5:1 SWR in my favorite sections of 40 - 10 Meters.

The original author was a QRP'er as he mentioned using the sloping loop in a QRP contest (running an Argonaut as I recall) and was located in the Midwest in Missouri or Kansas I think.

Good ideas never die, and the sloping loop was a great one (and still is!)

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"
mailto:wb2vuo@arrl.net

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 19 Mar 2002 18:04:02 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu, w5xe@juno.com
Subject: [122598] Re: Homebrewed Open-Wire Feedline - test
Message-ID: <20020319.180405.-383055.18.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Date: Tue, 19 Mar 2002 17:17:50 -0800 (PST)
From: Patrick Gardella <pgardella@yahoo.com>
To: Doug.Davies@gems3.gov.bc.ca,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122599] Re: Life's Little Trade-off's
Message-ID: <20020320011750.59630.qmail@web13001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey! I live right near Washington, D.C., have an hour long commute, a tiny yard, and still can't walk into a parts store anywhere nearby. (Except the one that closes at like 3PM on weekdays and is never open on weekends! Grrrrr.)

Patrick
KD4LOX

P.S. If anyone knows of a good parts place near DC, let me know!

--- "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca> wrote:
> Oh, to live in a large center and be able to just walk into a place like
> Apex and pick out just what you need. I'm up here in the middle of nowhere
> with a dollar that's not worth a plug nickel and not a parts store for a
> thousand miles, literally. Well, maybe 800. However, I do have ten acres
> (4.0 hectares) out in the bush in northern British Columbia, all the room I
> need for antennas, great salmon fishing and my longest commute to work is 15
> minutes and that's in "rush hour". I guess life's a bunch of trade off's,
> eh? :^)).
>
> Doug VA7DD

Do You Yahoo!?
Yahoo! Sports - live college hoops coverage
<http://sports.yahoo.com/>

Date: Tue, 19 Mar 2002 17:42:49 -0800
From: "Gary O. Lyons" <drgary@urx.com>
To: <qrp-1@Lehigh.EDU>
Subject: [122600] CUB FOX: NQ7T on the sidelines
Message-ID: <000501c1cfb0\$8c171040\$58d56bce@GLyons>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry gang, I am unable to operate tonite. A bit of a medical situation is keeping me on the sideline for this hunt.

Foxii and hunters all - have a great evening.

72,
Gary/NQ7T

Date: Tue, 19 Mar 2002 20:48:10 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [122601] Spartan Sprint PONDERINGS
Message-ID: <102.124c42e8.29c9445a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I know the Spartan sprint is for fun so these are just musings after a long afternoon of taxing my brainpoeer on a major project. But I think it would make a bit more sense to to the following minor changes:

(1) Weight to include rig, powerpack, key, AND TUNER. The idea is to keep the weight down to replicate trail freindly rigs. If you have a resonant dipole you save a whole bunch of weight

(2) Rather than try to weigh antennas, break it into GAIN and NON-GAIN. Basic

wire antennas get a multiple of 2 and beams get just 1. Verticals 1/4wl and less treated as NON-GAIN.

(3) Rather than weigh down to 1/100 of an ounce round off to nearest pound.

(4) Get a multiplier for working multiple bands (say minimum of 5 contacts to get band multiplier)

This sort of promotes multiband ops and overall backpackable equipment. Before you get your panties in a bunch, this was just some thoughts on the Sprint, not trying to change or overhaul the Spartan Sprint. I think Russ has a great thing going and keeps it nice and simple. These are just some things to PONDER (smile)

Alan KB7MBI

Date: Tue, 19 Mar 2002 17:49:07 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <KD5NWA@mbayona.com>,
 '"Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [122602] RE: Simple tube transmitter;Manhatan Style
Message-ID: <011a01c1c1cfb1\$6c33ce20\$2802a8c0@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Here is an actual 6T9 transmitter I built about a year ago.

<http://www.qsl.net/kd6cc/Projects.htm>
(Click on tube type QRP transmitter)

The chassis/cabinet is constructed entirely of wood, other than the copper clad PC Board I mounted to the bottom of the (wood) chassis. Then, I used Manhattan style construction for the wiring.

Roger KD6CC

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of Ham
Sent: Tuesday, March 19, 2002 1:32 PM
To: Low Power Amateur Radio Discussion
Subject: Simple tube transmitter

Simple one tube transmitter, multiple bands.

<http://www.oselectronics.com/downloads/One%20tube%20transmitter.pdf>

For those that are thinking retro.

When I was 14 I got hit by a 2500 Volt supply from a homemade linear amp, it stopped my heart and I had to be resuscitated by my brother, have not touched tubes since then, but I sure miss them. Easy and forgiving to work with unless you mess with the high voltage, then they won't forgive you. But we are talking QRP levels here.

Cecil
KD5NWA

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002

Date: Tue, 19 Mar 2002 20:47:46 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122603] FS: Tube transmitter parts
Message-ID: <000701c1cfb1\$4ee24fe0\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is my totally capitalist attempt to take advantage of the recent tube transmitter thread. Who would like:

(2) Calectro 20-1112 0-1mA DC panel meters, fits 1-3/4" hole, \$10.00/ea. shipped

(1) Micronta 22-052 0-1mA DC panel meter, fits 1-3/4" hole, \$10.00 shipped

(1) B&W 3015 miniductor (6C4/5763 xmtr builders take note!), \$7.00 shipped

(6) Millen 33302 HC6/U ceramic crystal sockets, NEW! \$5.00/ea. shipped.
QRP crystals available at Ocean State Electronics

(6) EDY HC6/U ceramic crystal sockets, same as the Millens, NEW! \$5.00/ea. shipped

(6) Millen 45000 1" mica coil forms, no base, NEW! \$6.00/ea. shipped

(6) Millen 40105 5-pin ceramic plugs, NEW! Mount the coil form to this for a plug-in coil form. \$6.00/ea. shipped

Like the crystal manufacturer of yore exclaimed, "build something!" TNX all es emit ions.

72

Howard Kraus, K2UD

Date: Tue, 19 Mar 2002 20:55:47 -0500
From: Dave Richards <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>, rmccarty@earthlink.net
Subject: [122604] RE: Simple tube transmitter;Manhatan Style
Message-ID: <2YB8U043KHSMHGY76L1VXVKI2YIH51.3c97ec23@sony>
MIME-Version: 1.0
Content-Type: text/plain; charset="Windows-1252"

Beautiful work Roger

rgds

Dave

3/19/2002 8:49:07 PM, "Roger A. McCarty" <rmccarty@earthlink.net> wrote:

>Here is an actual 6T9 transmitter I built about a year ago.

>

><http://www.qsl.net/kd6cc/Projects.htm>

>(Click on tube type QRP transmitter)

>

>The chassis/cabinet is constructed entirely of wood, other than the

>copper clad PC Board I mounted to the bottom of the (wood) chassis.

>Then, I used Manhattan style construction for the wiring.

>

>Roger KD6CC

>
>-----Original Message-----
>From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
>Of Ham
>Sent: Tuesday, March 19, 2002 1:32 PM
>To: Low Power Amateur Radio Discussion
>Subject: Simple tube transmitter
>
>Simple one tube transmitter, multiple bands.
>
><http://www.oselectronics.com/downloads/One%20tube%20transmitter.pdf>
>
>For those that are thinking retro.
>
>When I was 14 I got hit by a 2500 Volt supply from a homemade linear
>amp, it
>stopped my heart and I had to be resuscitated by my brother, have not
>touched tubes since then, but I sure miss them. Easy and forgiving to
>work
>with unless you mess with the high voltage, then they won't forgive you.
>But
>we are talking QRP levels here.
>
>Cecil
>KD5NWA
>
>---
>Incoming mail is certified Virus Free.
>Checked by AVG anti-virus system (<http://www.grisoft.com>).
>Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002
>
>
>---
>Outgoing mail is certified Virus Free.
>Checked by AVG anti-virus system (<http://www.grisoft.com>).
>Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002
>
>
>

Date: Tue, 19 Mar 2002 19:56:10 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [122605] CFNO -- Going to be Interesting...
Message-ID: <200203200156.AA01161@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Snowing fairly hard here at the moment, and my noise level is pretty high. Hope it drops some, or my ears will *really* be ringing by the time this is over. Will be running *somewhere* above 7.050, wherever I can find a reasonably clear spot... :-) Start there, and go up... :-) Hope to see you there! Will work everyone I can hear! :-)

72/73,

Todd, AG0T

Date: Tue, 19 Mar 2002 18:02:57 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <aa3ur@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122606] Re: tube transmitters
Message-ID: <003901c1c1cfb3\$5b831f20\$1a9bb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It sure did/does...nice rig, and there is a mod to lower the screen voltage at the 6146 final which can lower the output to around 5 watts out. A local friend of mine did this mod and it works quite well.

72/73's

Trev
KG6CYN

----- Original Message -----

From: David Porter <aa3ur@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, March 19, 2002 4:17 PM
Subject: Re: tube transmitters

> The venerable Johnson Ranger had a pull off knob that revealed a place where

> two crystals could be plugged...an octal socket. (I think that's what I

> remember....)
>
> David Porter AA3UR
> aa3ur@comcast.net
> ----- Original Message -----
> From: "carl seyersdahl" <carlseye@tampabay.rr.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, March 19, 2002 6:06 PM
> Subject: Re: tube transmitters
>
>
> > Dennis said "8 pin tube sockets don't look right " for FT243
crystals.
> > Dennis, that's what I used in the late 40's and was happy to have
them!!!
> I
> > grant you, FT243 crystals are not easy to find today but please
don't
> think
> > that tube socket 'don't look right'. there are probably 100's , if
not
> > 1000's , of hams out there who used octal sockets because they
couldn't
> find
> > or couldn't afford the sockets for there xtals.!!!!
> > Besides, if you use an octal socket and a switch you'll have two
xtals to
> > use!!!!
> > carl / kz5ca
> > ----- Original Message -----
> > From: "DENNIS SMITH" <ne4o@swbell.net>
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > Sent: Tuesday, March 19, 2002 5:35 PM
> > Subject: tube transmitters
> >
> >
> > > Guys and gals.
> > > With all this stuff about building tube transmitters i have gotten
the
> > urge
> > > to build tube stuff again. My junk box many 1000's of tubes and
many
> tube
> > > sockets, variable capacitors, transformers, but the thing i can't
find
> > > priced reasonable is ft-243 crystals and sockets, I have used 8
pin
> octal

> > > sockets for crystal holders but it don't look right. hi hi Does
anyone
> > have
> > > a good place to obtain ft243 xtals without taking out a loan????
> > > thanks DENNIS W5VAF
> > > THE BUILDING KID FROM ARKANSAS.
> > > HAM 37 PLUS YEARS.
> > >
> >
>
>

Date: Wed, 20 Mar 2002 20:14:56 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122607] KD5KXF will miss CFNO if Thunderstorm continues
Message-ID: <007801c1d07e\$33afcae0\$f4f6a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thunderstorm here and lots of light show, rigs are unplugged and antler
grounded. I won't be on for the hunt if this continues! Sorry, you guys
have a great time.

KD5KXF
Wet cub fox, but well lit from lightning in Balch Springs TX

Date: Tue, 19 Mar 2002 20:27:35 -0600
From: "Gordon Couger" <gcouger@provalue.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122608] Re: tube transmitters
Message-ID: <098301c1c1cfb6\$cfd75dc0\$ab2dccd0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks Don

I sure was wrong it's an 829B that is 2 6L6s in a all glass bottle not an 811A.

Gordon

----- Original Message -----

From: <K5KW@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, March 19, 2002 7:36 AM

Subject: RE: QRP Tube Type Rig

: Gordon Cougar, W5RED wrote:

:

: If you want something that looks different use an 811A turned down low.
One

: side for the osciltor and one side for the amp. It's over kill but you
would

: have a one of a kind and legs if you needed them. It's a twin power
pentode

:

: Gordon,

:

: I believe you unintentionally misstated the tube type above. The 811A is a
: power Triode, used mainly in higher power amps with matched pairs or
matched

: quads, such as the current Ameritron 811 series and the venerable Collins
: 30-L1. What tube did you intend?

:

: BTW, I am building the Novice Special (6C4-5763) rig at the moment.

:

: 72,

:

: Don, K5KW

:

Date: Tue, 19 Mar 2002 20:56:09 -0600

From: Monty N5FC <n5fc@io.com>

To: w6toy@erols.com, qrp-l@Lehigh.edu

Subject: [122609] Re: tube rig - some more thoughts!

Message-ID: <5.1.0.14.1.20020319204535.00abd620@mail.io.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Bruce!

On Tue, 19 Mar 2002 10:18:31 -0500, QRP-L, you wrote:

>Beware of modern building techniques with tube transmitters. There just
>aren't many tube sockets that will adapt well to Manhattan construction
>without a lot of extra work and care!
>[snip]

Yikes, I didn't realize that when I recently put this on the air:
<http://www.io.com/~n5fc/altoobs.htm>

>Unless you have access to an older stock of TV type transformers,
>getting the necessary voltages can be a problem.

Really? Reckon I was just plain lucky when I managed to build:
<http://www.io.com/~n5fc/bplus.htm>

Never say never... OoooO! did I say that?

73,
monty N5FC

Monty Northrup, N5FC
Austin, Texas
e-mail: n5fc@io.com
web page (ham radio): <http://www.io.com/~n5fc>
web page (home): <http://www.io.com/~maddog>

Date: Tue, 19 Mar 2002 19:10:14 -0800 (PST)
From: Claude <mck20@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [122610] downloadable tube data base
Message-ID: <20020320031014.39892.qmail@web11605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Here is a site that I have found extremely
usefull, when working with tubes....
It is a free downloadable tube data base, only 1,35 mb
in size, it can be downloaded to a floppy disk for
safe keeping, and self installing on the computer....

Go to <http://www.duncanamps.com/tdslpe/index.html>
for the download....Scroll to the bottom of the page
and click on the "click here" spot....
"How to use it".... Once the program has been
downloaded and installed on your computer click on the
search button, then click on "Find by designator",
then type in a tube number such as a 6L6 under the
filter criteria spot, then click on find.....

I really enjoy reading all of the "Excellent"
ideas posted here....

I have no association with this company
whatsoever, but just passing along a "jewel" of
information that I have found on here....

Hope this information is of benefit to
someone.... Claude WB4WHH Victoria, Va.

Do You Yahoo!?

Yahoo! Sports - live college hoops coverage
<http://sports.yahoo.com/>

Date: Tue, 19 Mar 2002 19:28:14 -0800
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [122611] Re: tube rig - some more thoughts!
Message-ID: <20020319.192814.172.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And Dave (WD8CIV), there's another answer about using toroids in tube
radios.

Cute radio, Monte!

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

On Tue, 19 Mar 2002 20:56:09 -0600 Monty N5FC <n5fc@io.com> writes:

> Yikes, I didn't realize that when I recently put this on the air:
> <http://www.io.com/~n5fc/altoobs.htm>
>

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 19 Mar 2002 19:45:06 -0800

From: "Trevor Jacobs" <fxtech@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [122612] CFNO Any Luck?

Message-ID: <016701c1cfc1\$a0a09200\$1a9bb2d1@tjacobs>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Anyone having any luck tonight? I found and worked Todd AG0T with 1 watt on the new lil setup, but haven't heard a peep out of anyone else. Seached high and low, even the Novice band.

72/73's

Trev

KG6CYN

Date: Tue, 19 Mar 2002 21:45:39 -0600

From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [122613] CFNO -- Looking for Business...

Message-ID: <200203200345.AA01632@bolshoi.cc.misu.nodak.edu>

Content-Type: text/plain

Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Gang,

I'm at about 7.060.5, looking for hounds. Noise still strong here, so I've missed a few, but if you can, drop on by and we'll see what we can do... :-)

72/73,

Todd, AG0T

Date: Wed, 20 Mar 2002 03:46:56
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: john@wagner-usa.net
Subject: [122614] Re: Tube talk
Message-ID: <F202eMjp1TpAJcdydPw00002676@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

John Wagner (john@wagner-usa.net) writes:

>Man o' man,

>If there is one topic to bring out the chatter on this list, it's >gotta be
>tubes!

...

Yeah! Tubes are like totally tubular, dude!

Check out the Glowbugs list if this stuff intrigues you.
See the following link for instructions:
<http://www.qsl.net/n6ev/GBlist.html>

Brad KG6IOE

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Tue, 19 Mar 2002 22:53:06 -0500
From: John Farler <jfarler@peoplepc.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [122615] Re: Tube Transmitters
Message-ID: <3C9807A1.CF3E0B5E@peoplepc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a few thoughts on this subject raised from all of the recent postings. I am intrigued by the subject, also, since my first xmtr was a one tube 6L6 built by my elmer, and I built several tube qrp xmtrs as a teenager.

Parts....

1. Old AM or AM/FM BC tube radios....
variable caps can be found in old am or am/fm tube radios which can often found in yard sales, antique shops (sometimes too pricey), "junk" and second-hand stores, hamfests, and "flea markets." If it has tubes, it has a variable cap and you can sometimes find these old radios cheap... a dollar and up. Beats the price for a new variable of the type needed. If they are AC/DC sets they won't have too much more you can use, since the electrolytic filter cap is usually dead. (See qrp-l archives for revival methods). I do recall a transmitter circuit somewhere that used the 50L6 or 50C5 as an oscillator or rf amp...

These old radios may also yield tube sockets if you are careful and don't mind the smell of burning dust as you try to unsolder them.

2. Power supplies..

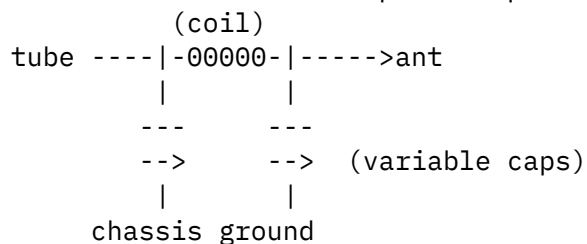
One way to overcome the cost and scarcity of hv transformers is to use (2) 6 or or 12 v. transformer like the shack sells and use the low voltage sec to heat the filaments, then take the second transformer and connect the two secondaries together and pump the low voltage back up to 125 volts through the primary of the second transformer. (yeah, I know the pri/sec are swapped on the second) After a diode bridge recifier and capacitor filtering, you should have a decent B+ for a qrp rig, especially if you don't load the transformers so much that the regulation on the B+ suffers under keying. If you come up with a circuit that uses 12 v. heaters, you may be able to use a 6 v. transformer for the second and get more voltage output. Most of the common receiving tubes had 12 v. versions and they are sometimes even cheaper than the 6 v. versions.

Also, at hamfests, look for any device using tubes. Look for the dead ones under the tables

in the flea market. Dead test instruments, audio amps, tuners, and other tubed devices will usually have a small transformer. It's amazing what some folks carry to hamfests to sell. These are usually not priced and may be had for a buck or two or an offer to carry them away.

3. Output circuits...

Use a pi-net with a pill bottle coil for qrp level. Two @360-400 mmf (pf??) variables for the capacitors, although it may take a dual section one for the plate cap...



Don't have the number of turns in my head, but I think I have some of the old circuits around, and will look if anyone is interested. Yeah, it has to have a blocking capacitor between the network and the tube.

4. Crystal sockets....

Yep, ft-243 hard to find. If appearance is your concern, find an octal socket with screw hole mounting flanges, mount it behind the front panel, right up against the panel, mark the pin holes, and drill two holes large enough for the pins of the crystals to go through without shorting against the panel.

5. Tubes...

Another good source, for new and used tubes is Fair Radio. Think they have a website...not certain if tubes are listed there. By I think you can have them send a catalog.

6. Another problem part....

It may be those 2.5 and 1.0 millihenry chokes used in the plate DC feed, at the antenna connector to keep hv off the antenna

in case the plate coupling capacitor shorted,
and in several other places in various circuits.
I have picked a few up at hamfests, but the
guys are beginning to learn they are scarce.
Does anyone know whether a substitute is
available reasonably??? I haven't looked.

7. Read and save previous posts....lots of
good info and knowledge here. I'm saving it.
Lots of help, if you're new to tube building,
I'm sure.

Be really careful with the voltages you will
encounter.

My favorite was a transmitter I built using
a 6C4 pierce oscillator and a 6AQ5 "final."
The 6AQ5 was mostly used in automobile radios
as the audio output and had to have a lot of
punch, so they work out pretty well. Actually
it would also do AM with another 6AQ5 as a
heising modulator, and the pierce oscillator
tube was actually a 12AU7, (two 6C4 triodes
in one envelope) and the other triode was used
as a microphone amp to drive the modulator.
Made several contacts on phone, but most on
75 phone were about as deaf to qrpers as they
are today. Boy, hope I can find that circuit.
May be able to post it and some one
tube circuits on a web page, if I can find
them and anyone is interested.

73/72

John, K4AVX

As always,

"The picture's better on the radio." ...J.F.

Date: Tue, 19 Mar 2002 20:54:37 -0700
From: "Jason Nochlin" <jman0iin@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122616] Re: CFNO Any Luck?
Message-ID: <001801c1cfc2\$f50783c0\$daf2fd0c@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I heard Todd AG0T, but he was unable to work him. I copied A_0T and figured out it was him. The only fox I worked was N0IT at 5 watts and he had trouble copying me.

72,

Jason K0IIN

----- Original Message -----

From: "Trevor Jacobs" <fxtech@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: March 19, 2002 08:45 PM

Subject: CFNO Any Luck?

> Anyone having any luck tonight? I found and worked Todd AG0T with 1 watt
> on the new lil setup, but haven't heard a peep out of anyone else.
> Seached high and low, even the Novice band.
>
> 72/73's
> Trev
> KG6CYN
>

Date: Tue, 19 Mar 2002 20:08:09 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <jman0iin@attbi.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122617] Re: CFNO Any Luck?
Message-ID: <017d01c1cfc4\$d8e96a80\$1a9bb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Worked Dave N0IT right at the end of it, still at 1 watt! Sounds like we've got a bit of a noisy band tonight. Never did hear anyone in the Novice band. Dave and Todd were the only 2 Cub Foxii heard here tonight, and I never heard a single hound. Take care...

72/73's

Trev

KG6CYN

----- Original Message -----

From: Jason Nochlin <jman0iin@attbi.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, March 19, 2002 7:54 PM
Subject: Re: CFNO Any Luck?

> I heard Todd AG0T, but he was unable to work him. I copied A_0T and
figured
> out it was him. The only fox I worked was N0IT at 5 watts and he had
trouble
> copying me.
> 72,
> Jason K0IIN
> ----- Original Message -----
> From: "Trevor Jacobs" <fxtech@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: March 19, 2002 08:45 PM
> Subject: CFNO Any Luck?
>
>
> > Anyone having any luck tonight? I found and worked Todd AG0T with 1
watt
> > on the new lil setup, but haven't heard a peep out of anyone else.
> > Seached high and low, even the Novice band.
> >
> > 72/73's
> > Trev
> > KG6CYN
> >
>
>

Date: Wed, 20 Mar 2002 04:07:24
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: Zoerb.Ron@broadband.att.com, qrp-1@Lehigh.EDU
Subject: [122618] Re: CUB FOX: CFNO Tonight!
Message-ID: <F15148EIauFo1v7R7XA0000cd68@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

5 foxes: K04WX, N0IT, VE3FAL, W0IS, AG0T
all using at K2 @ 5 W to a dipole here in Ohio

Thanks to all who made the hunts possible!

73/72 - Mike WA8BXN

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Tue, 19 Mar 2002 23:09:01 EST
From: Macstein@aol.com
To: Zoerb.Ron@broadband.att.com, qrp-1@lehigh.edu
Subject: [122619] Re: CUB FOX: CFNO Tonight!
Message-ID: <f4.189aad0f.29c9655d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Ron, and gang,

Fun on a noisy band for sure! I understand NQ7T, KB9YIG and KD5KXF were not operating. I didn't hear Tom - N1TP, Brice - KA8NAV or Art - KB7WW at all. That left: Rick - W0IS, Dave - N0IT, Mike - K04WX, Todd - AG0T and Fred - VE3FAL, whom I got. They were all over the place! What fun! Thanks for the idea.

-MAC-
AF4PS
3w and 100 mw

Date: Tue, 19 Mar 2002 22:10:16 -0600
From: Richard Clem <clem.law@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [122620] CFNO first results
Message-ID: <20020320041016.3181.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

How did the other foxii and hounds do this evening?

I started up in the novice band at around 7125. It got awfully lonely after a while, even after a few quick QSY's to catch other foxii.

Finally, I QSY'ed down to about 7040 and handed out some pelts, but fewer= than I expected.

I had a total of 24 contacts: 4 other foxii (N0IT, VE3FAL, K04WX, and AG= 0T) and 20 hounds. Of the hounds, 7 were in the novice band and 13 were in the general band.

I'll get the logs posted later, but just curious how others did.

73,
Rick W0IS

Date: Tue, 19 Mar 2002 23:17:30 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122621] CFNO results
Message-ID: <005501c1cfc6\$273762e0\$481c6fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got Dave, N0IT, and Mike, K04WX, with my one watt SW-40. Both guys had a hard time copying me what with the usual QRM and other noise. Limited in how far up the band I could tune without taking the rig apart.

Heard Mike work somebody in ND. Excellent under tonight's condx.

73,
jim-
KG4LDY

Date: Tue, 19 Mar 2002 23:18:34 EST
From: RLemmel@aol.com
To: qrp-l@lehigh.edu
Subject: [122622] Re:CFNO Any Luck?
Message-ID: <106.f0b5a0c.29c9679a@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Managed to find W0IS,N0IT,K04WX,AG0T,andVE3FAL all at one watt. Plenty of noise to contend with; my ears are still ringing, but they ring all the time anyway:-) 72-Randy,WV9N

Date: Tue, 19 Mar 2002 21:20:03 -0700
From: "Dave WR50" <dendav@dzdn.com>
To: "QRPL" <qrp-1@lehigh.edu>
Subject: [122623] Re: CUB FOX: CFNO Tonight!
Message-ID: <001501c1cfc6\$8358e580\$5e6357d1@dwiniield>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

The list from here, in order:

VE3FAL
K04WX
N IT
AG T
W IS

Thank you gentlemen...40 had S8 noise here a lot of the time, and it took me a while to work some of you.

I'm gonna miss this on Tuesdays and Thursdays. When do we start tearing up 20 meters?

72/73 es oo,

Dave Winfield, WR50
El Paso, Texas DM61ts
<http://www.qsl.net/wr50>

FP# -109, SOC #371, ARS #996, Zombie #793, QRPP #328

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

Date: Tue, 19 Mar 2002 22:22:48 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122624] CFNO -- Tough Night...
Message-ID: <200203200422.AA01837@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Gang,

Well, preliminary results look like 22 pelts handed out in 14 SPCs. Sure spread the wealth! :-) Worked as far as CA and RI. Everyone was either at or in the S5-S7 noise here. Static crashes even worse! :-) The noise took a couple brief breaks, and during one of these Trev, KG6CYN, got me with 1W for best DX vs. PWR of the night. Was expecting to see some of the WI and MN milliwatt boys, but if they were there, I couldn't hear them. :-(

Anyhow, it was still fun! Awful lonely the last half hour, though. Not the best conditions, but still handed out a fair number of pelts. Thanks to all who stopped by, *especially* those I couldn't hear! We must do this again sometime! :-) Log to follow shortly...

72/73,

Todd, AG0T

Date: Tue, 19 Mar 2002 22:30:46 -0600
From: Richard Clem <clem.law@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [122625] FOX: W0IS Preliminary CFNO log
Message-ID: <20020320043046.5845.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Well, here is my preliminary log for CFNO. Please send me any corrections. I will be out of town, so it might be next week before I can get the final = log posted.

I count 25 QSO's: 20 houndi, 4 foxi, and myself. According to my precise calculations, my SER is 3.82.

TNX & 73,
Rick W0IS

Time	Call	RST	QTH	Name	QRP
0200	KB0LSN		579	CO	PAUL 1W
0205	N0EAX		599	MO	RICH 5W
0223	N0IT/FOX	559	MO	DAVE	5W
0228	K5DW	559	TX	DON	5W
0229	KI0II		559	CO	RON 500MW
0230	W5YR	559	TX	GEORGE	5W
0245	K9IUA		559	IA	KEVIN 5W
0249	WB6BWZ	559	GA	MATT	5W
0256	VE3FAL/FOX	559	ON	FRED	5W
0301	K04WX/FOX	559	GA	MIKE	5W
AFTER QSY TO 7040:					
0318	K8CV	559	MI	WALT	5W
0319	K0EVZ		599	ND	DOC 5W
0323	AF4PS		559	FL	MAC 3W
0324	WR50	559	TX	DAVE	5W
0326	N10DL		599	NH	ARON 4W
0328	AF4LQ		599	KY	MIKE 5W
0329	NX9Z	599	WI	STEVE	2W
0331	WA8BXN	599	OH	MIKE	5W
0335	WB8WTU	599	OH	DENNIS	2W
0341	KJ0C	599	MO	JIM	1W
0343	WV9N	559	OH	RANDY	1W
0344	W0ORZ		559	MN	YT 5W
0351	AG0T/FOX	559	ND	TODD	4W
0355	WA9TZE	559	WI	JIM	2W
0400	W0IS	FOX	MN	RICK	5W

SER =3D 3.82

Date: Tue, 19 Mar 2002 21:42:03 -0700
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122626] Re: [Re:CFNO Any Luck?]
Message-ID: <20020320044203.861.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

Same here except I had to QRO to 5w for K04WX. Probably could've done with less. Both he and K0EVZ were very weak here in Colorado. Heard the latter early on but he disappeared before I could work him.

Paul / KB0LUR

Rlemmel@aol.com wrote:

> Managed to find W0IS,N0IT,K04WX,AG0T,andVE3FAL all at one watt. Plenty of =

> noise to contend with; my ears are still ringing, but they ring all the time

> anyway:-) 72-Randy,WV9N

Date: Tue, 19 Mar 2002 22:45:51 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: clem.law@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122627] Re: CFNO first results
Message-ID: <3C9813FF.B9657E15@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Richard Clem wrote:

>
> How did the other foxii and hounds do this evening?

What a night huh? Sounded like 160 meters in July.

Worked about 35 hounds including myself. I think I have one dupe but will need to check.

As far as foxes, I worked W0IS, AG0T, and K04WX. Looked for Fred several times but couldn't find him up there in Novice country. Most contacts were within 800 miles and were limited by S9 line noise and heavy thunder claps that took every other character. Trevor (KG6CYN) with his 1W was only station I worked West of Colorado.

Rig here was TS-940S at five watts to Butternut HF2V vertical ground mounted.

Thanks to all those callers. 73 de Dave, N0IT

Date: Tue, 19 Mar 2002 23:03:28 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122628] FOX -- AG0T Preliminary CFNO Log
Message-ID: <200203200503.AA02030@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Here's the preliminary log. Any corrections ASAP, please.
Thanks again to one and all!

72/73,

Todd, AG0T

n9ne	0216	559	wi	todd	5w
k4gt	0220	559	ga	jim	5w
w9hl	0221	559	il	randy	5w
k0evz	0222	569	nd	doc	5w
kc0ld	0230	559	mo	jim	5w

wa9tze	0231	559	wi	jim	2w
w5yr	0240	559	tx	george	5w
w5teh	0243	599	ri	lee	5w
ki0ii	0244	559	co	ron	1w
kk5ld	0246	559	tx	dan	5w

n0it	0249	599	mo	dave	5w
kb0lur	0251	599	co	paul	1w
af4ps	0253	559	fl	mac	3w
wr5o	0258	559	tx	dave	5w
wb6bwz	0303	559	ga	matt	5w

w4bqp	0312	559	nc	jim	5w
k9gf	0317	559	wi	rick	5w
k8cv	0323	559	mi	walt	5w
kg6cyn	0325	559	ca	trev	1w
wv9n	0327	559	oh	randy	3w

w0is	0351	599	mn	rick	5w
------	------	-----	----	------	----

wa8bxn 0353 579 oh mike 5w
ag0t 0400 559 nd todd 4w FOX

SER = 4.136

Date: Tue, 19 Mar 2002 21:14:22 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122629] Fox Hunting - THANKS!!!
Message-ID: <01e201c1cfce\$197b2d00\$1a9bb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just wanted to say that it's been a FUN Fox Hunting Season on 40, and thanks to all of the FOXII and folks the put the hunts together. Sure did make Tuesday and Thursday evenings a lot of fun (once the YL got used to me not being available on those night, Hi!). Can't wait until the 20 Meter hunt starts. BTW several people have asked me what antenna I'm using here in Burbank. Since I didn't have a ton of space I put up a Center Fed Zep hung as an inverted vee. It's up at about 40' in the center with the ends facing East-West (the only way I could hang it!). It's fed with 450 Ohm window line (plan on changing that to 4" spaced ladder line soon). The antenna wire is #12 solid copper insulated (got a roll at Apex for like \$20) and is cut to about 100' (the most wire I could fit). It's tuned with a Johnson KW Matchbox. Seems to do pretty good, as I was able to bag half of the Foxii this year.

72/73's
Trev
KG6CYN

Date: Wed, 20 Mar 2002 00:17:48 -0500
From: w4clm.ham@juno.com
To: qrp-l@Lehigh.EDU
Subject: [122630] Help finding FT-243 Crystals ??? For QRP frequencies and AM Phone Frequencies
Message-ID: <20020320.001748.172.5.w4clm.ham@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Re: Does anyone have a good place to obtain ft243 xtals without taking out a loan????

thanks DENNIS W5VAF

I have to agree with Dennis on this. FT-243 Crystals have gone through the roof. Last time I checked with JAN Crystal out of Ft. Myers Florida, they wanted something like \$25 dlrs a piece to make them. This is unreal.

A few years ago I had purchased some crystals (@ / \$6.00 ea) from John & Marilyn Morris.

John bought out the original owner of C.W. Crystals and all of his equipment.

I made the mistake of selling an old rig with all of my crystals in it, thinking I would have no problem replacing them.

Well I found out different. John passed away about a year and a half ago and no one I now of is making FT-243 Crystals at a reasonable price any more.

That will teach you to not to sell off your Crystals on Hand.

As a last resort I may order some key frequencies from JAN.

Occasionally I have seen FT-243 crystals pop up on E-bay. But who in their right mind wants to sit on some obscure frequency right under a H.F. Packet transmitter!

I would also like to know if FT-243 crystals are available some place, so

I too don't want to take out a second mortgage on the house!

If anyone has any extras FT-243's they would like to sell.

I am looking specifically for 7.030 7.040 --- 75 meter QRP or 40 meter

QRP frequencies. Or any other QRP frequency that would resonate as a harmonic on the upper bands.

For AM phone I'd like to find // 3.880 3.885 // 7.290 7.295 //

Or any frequency to put me on 29. Mhz AM phone between 29.00 and 29.1 Mhz

Thanks guys.

Carol

W4CLM

Date: Tue, 19 Mar 2002 21:31:39 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <w4clm.ham@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122631] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencies
Message-ID: <020101c1cfd0\$837ae0e0\$1a9bb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Carol and all looking for xtals,

Here is a Great source, and they'll cost you around \$10 each.

Petersen Radio Co., Inc. - crystals for hams and hobbists. Orders via
email. For info call (712) 323-7539.
e-mail address: jjk51503@aol.com

Pretty sure it's the same company that's been building them since at
least the late 40's, as I see adds for them in the older QSY's that I
have from back then. Now, I don't think that he has any FT-243 holders
left, but what he does, is put the crystal in a HC6/U holder with pins
to fit the FT-243 socket. I know several of the local Boat Anchor guys
have gotten crystal from this company and were very happy with them. My
friend Joe W1GFH/6 uses them in his Ranger I. Give them a call or e-mail
them. Take care and hope this helps.

72/73's
Trev
KG6CYN

----- Original Message -----

From: <w4clm.ham@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, March 19, 2002 9:17 PM
Subject: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencies

> Re: Does anyone have a good place to obtain ft243 xtals without taking
> out a loan????
> thanks DENNIS W5VAF
> -----
>
> I have to agree with Dennis on this. FT-243 Crystals have gone

through
> the
> roof. Last time I checked with JAN Crystal out of Ft. Myers Florida,
> they
> wanted something like \$25 dlrs a piece to make them. This is unreal.
>
> A few years ago I had purchased some crystals (@ / \$6.00 ea) from
John &
> Marilyn Morris.
> John bought out the original owner of C.W. Crystals and all of his
> equipment.
> I made the mistake of selling an old rig with all of my crystals in
it,
> thinking I would
> have no problem replacing them.
>
> Well I found of different. John passed away about a year and a half
ago
> and no one I now of is making FT-243 Crystals at a reasonable price
any
> more.
> That will teach you to not to sell off your Crystals on Hand.
>
> As a last resort I may order some key frequencies from JAN.
> Occasionally I have seen FT-243 crystals pop up on E-bay. But who in
> their right mind
> wants to sit on some obscure frequency right under a H.F. Packet
> transmitter!
>
> I would also like to know if FT-243 crystals are available some
place,
> so
> I too don't want to take out a second mortgage on the house!
>
> If anyone has any extras FT-243's they would like to sell.
> I am looking specifically for 7.030 7.040 --- 75 meter QRP or 40
> meter
> QRP frequencies. Or any other QRP frequency that would resonate as
> a harmonic on the upper bands.
>
> For AM phone I'd like to find // 3.880 3.885 // 7.290 7.295 //
> Or any frequency to put me on 29. Mhz AM phone between 29.00 and 29.1
Mhz
>
> Thanks guys.
> Carol
> W4CLM
>

Date: Wed, 20 Mar 2002 00:04:09 -0600
From: "Gordon Couger" <gcouger@couger.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122632] 829b over simplification
Message-ID: <0aaf01c1cfd5\$f7485160\$ab2dccd0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Saying that an 829b is 2 6L6s in a bottle is an over simplification. An 829B is a twin power beam Pentode with each pentode having similar power ratings to a 6L6. An 829B runs at higher plate voltages and has a much higher cut off frequency than a 6L6.

Any design that uses a 6L6 should not be hard to modify for an 829B if you take into account the higher voltages and be careful about high frequency parasitic oscillations. It looks like a couple of hundred volts and negative 10 or 15 volts on the grid would keep it at QRP levels for one side of the tube and use the other side for an oscillator. Actually one side as an oscillator can put out over qrp levels but it is harder to keep a single tube rig stable and sounding good.

It was just an idea for a neat looking rig. An 829B or 6L6 is over kill for QRP.

72
Gordon W5RED

Date: Wed, 20 Mar 2002 02:49:05 -0500
From: w4clm.ham@juno.com
To: fxtech@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [122633] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM Phone Frequencies
Message-ID: <20020320.025338.3304.0.w4clm.ham@juno.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow was that ever fast! I will check it out in the morning!!!!!!
Thank you
Carol
W4CLM

Date: Wed, 20 Mar 2002 05:54:23 -0500
From: Harry Hurst <wa3ptg@comcast.net>
To: K2UD@adelphia.net,
 Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122634] Re: Building a tube QRP xmitter
Message-ID: <B8BDD48F.BB%wa3ptg@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Howard

That Novice special is a nice little rig. I built mine from an early 70's handbook and had a ball with it. I eventually added 160 coverage and made many contacts with a random wire and an amazing breadboard tuner. Unfortunately, I traded it away, something I still regret! And all those FT-243 crystals! What was I thinking?

We didn't know how good we had it in those days.

Wonder if I can figure out how to drive a 6C4 with one of my little hartly VFOs?

Hap, WA3PTG
Wilmington DE

on 3/19/02 7:16 AM, Howard Kraus at K2UD@adelphia.net wrote:

> Oct 68 QST has an excellent one, "A Simple Two-tube Transmitter," aka "The
> Novice Special" in the Handbook of that era. Search the League's site for
> the Novice Special, it's there. Building one now, it's a proven circuit.

Date: Wed, 20 Mar 2002 06:11:09 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <rmccarty@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122635] Re: Simple tube transmitter;Manhatan Style
Message-ID: <004f01c1cfff\$f10a9fe0\$b4aaba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Very impressive !
Great Job
73 Dave

----- Original Message -----

From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, March 19, 2002 8:49 PM
Subject: RE: Simple tube transmitter;Manhatan Style

> Here is an actual 6T9 transmitter I built about a year ago.

>

> <http://www.qsl.net/kd6cc/Projects.htm>

> (Click on tube type QRP transmitter)

>

> The chassis/cabinet is constructed entirely of wood, other than the

> copper clad PC Board I mounted to the bottom of the (wood) chassis.

> Then, I used Manhattan style construction for the wiring.

>

> Roger KD6CC

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf

> Of Ham

> Sent: Tuesday, March 19, 2002 1:32 PM

> To: Low Power Amateur Radio Discussion

> Subject: Simple tube transmitter

>

> Simple one tube transmitter, multiple bands.

>

> <http://www.oselectronics.com/downloads/One%20tube%20transmitter.pdf>

>

> For those that are thinking retro.

>
> When I was 14 I got hit by a 2500 Volt supply from a homemade linear
> amp, it
> stopped my heart and I had to be resuscitated by my brother, have not
> touched tubes since then, but I sure miss them. Easy and forgiving to
> work
> with unless you mess with the high voltage, then they won't forgive you.
> But
> we are talking QRP levels here.
>
> Cecil
> KD5NWA
>
> ---
> Incoming mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002
>
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

Date: Wed, 20 Mar 2002 08:00:32 -0500
From: Ed Lawson (K1VP) <k1vp@grizzly.com>
To: qrp-l@lehigh.edu
Subject: [122636] Value of Fox Hunts
Message-ID: <20020320080032.26b2ce4f.k1vp@grizzly.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

While I have not participated in the FOX hunts lately, I use the skills learned regularly. Last night I managed to work VP6DI and realized that I did so by applying the operating skills developed working the Foxes. So to all th Foxes and

those who organize and manage the hunts, I want to express my appreciation for providing a fun event and a training ground for improving skills. It is one thing to read about various operating techniques and another to actually use and practice them. Fox hunts provide a great way to do the latter without undue pressure.

When I first heard the wall of noise over 10Kc on CW it was a bit overwhelming. Then I just went about ignoring the DX spots, finding where he was listeninng, following his pattern and determining the timing of successful calls as if it was a Fox hunt. Result was a QSO and by adding a quick TNX got a nice reply back so I know it was good. All with a modest station. I owe it to this list which lead me to the fox hunt and the hunts themselves. Thanks to all.

In case you are after VP6DI, it seems the 15M ops are best. The 15M CW op really keeps a high rate going, but it is smooth and pleasant all around.

You can also pick up a good deal of info if you can find them talking to the pilots.

The 15M SSB Op takes time to explain operations from time to time as well. The SSB pileups are a real mess though.

The XR0X operation seems good too with four stations on 10M yesterday. Worked easily.

Again, thanks to all who mmake the Fox hunts possible.

Ed Lawson
K1VP

Date: Wed, 20 Mar 2002 07:48:35 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Cc: nogaqrp@mailman.qth.net
Subject: [122637] FOX: K04WX Cub Fox Night Out Results...
Message-ID: <5.0.2.1.2.20020320073629.022c37c0@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Terrible night on the radio last night. My usually quiet loop seemed to pickup every bit of the slop last night. Thanks to everyone that hung in there with me. I had just tuned up the filters on my K2 with Spectrogram last night after installing the SSB module over the weekend, so I know the rig was hearing it's best. Somewhere around 0240 or so, the entire band did a really strange "whooooosh" and warbled up and down for about 20-30 minutes. Everywhere 10Kc's either way seemed totally wiped out.

Mac, AF4PS, called me a second time at 0352, with a much louder signal than his first call at 0209. Gave him my contest RST of 559 (OK, I'm guilty as charged), but about fell out of my chair when he said he was running 100MW! He was really 599. Earlier call he was 3W (so I dropped it from the log...hey, the SER's bad enough at 4.15...I needed all the help I could get). Mac said it was the loop. 00

Fun night, all in all...

72 de Mike, K04WX

K04WX CFNO Results, 31 stations (including fox), SER = 4.15

TIME	CALL	RST	QTH	NAME	PWR
0202	W4BQP	599	NC	JIM	5W
0204	N9NE	559	WI	TODD	5W
0215	K0EVZ	570	ND	DOC	5W
0217	AJ4AY	579	AL	JAY	4W
0219	WA9TZE	559	WI	JOHN	3W
0220	K8CV	559	MI	WALT	5W
0222	WV9N	559	WI	RANDY	1W
0224	K4GT	559	GA	JIM	5W
0226	W9HL	559	IL	RANDY	5W
0228	N4MAP	559	GA	SAM	5W
0232	KB1FKD	559	CT	MATT	5W
0235	KE4TG	559	TN	ROY	5W
0237	AB8GK	559	MI	ED	5W
0238	WA8BXN	579	OH	MIKE	5W
0240	WR50	559	TX	DAVE	5W
0249	KG4LDY	559	VA	JIM	1W
0253	K9IUA	559	IA	KEVIN	5W
0254	N0IT	599	MO	DAVE	5W
0257	KC8LCK	559	WV	RANDY	5W
0303	W0IS	559	MN	RICH	5W
0306	W5YR	559	TX	GEORGE	5W
0318	WB8WTU	559	OH	DENNIS	3W
0320	AF4LQ	559	KY	MIKE	5W
0325	KI0II	559	CO	RON	500MW
0330	WB6BWZ	559	GA	MATT	5W
0332	N1ODL	559	NH	ARON	4W
0337	KB0LUR	319	CO	PAUL	5W
0342	KB4ORO	559	AL	JOHN	5W
0346	KJ0C	559	CO	JIM	3W
0352	AF4PS	559	FL	MAC	100MW
0400	K04WX	FOX	GA	MIKE	5W

Michael C. Boatright

Date: Wed, 20 Mar 2002 07:04:31 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-1@lehigh.edu
Subject: [122638] Tubes and Toroids
Message-ID: <3.0.2.32.20020320070431.00853bf0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Some things to consider using toroids with tube circuits.

As Monty's neat ALT00B rig demonstrates, modern components and tubes do mix.

I'd suggest using only iron powder cores for tuned circuits. Ferrite will be magnetically charged when a voltage is applied to the winding. Might be OK for RF chokes but any resonant inductance you have with ferrite will change with the level of magnetic charge.

Even with the use of modern wire coatings, the sharp edges of some toroids will cut through the insulation. Edges seem to be sharper with ferrite than with iron powder too. You could end up with the core being shorted to your B+ voltage.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Wed, 20 Mar 2002 08:59:37 -0500
From: KKANALZ@prodigy.net
To: <w4clm.ham@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122639] FT-243 Crystals For Sale
Message-ID: <AA-5EDAB9E167CD803783F097C86CFBFD7E-ZZ@maillink1.prodigy.net>

I have a bunch of FT-243 crystals for sale -- not at \$25 each, either!

Not *all* of them are in ham bands, but can easily be ground up to frequency.

I have a list on an Excel spreadsheet form (which, I can convert to text if you need it) which lists all the frequencies.

Send me a note on E-mail *direct* and I'll send you a copy of the list.

Karl K - W8TIF
McKinney, Texas

--- Original Message ---

From: w4clm.ham@juno.com

To: <qrp-1@Lehigh.EDU>

Subject: Help finding FT-243 Crystals ??? For QRP frequencies and AM Phone Frequencies

>Re: Does anyone have a good place to obtain ft243
xtals without taking
>out a loan????

>thanks DENNIS W5VAF

>-----

>

>I have to agree with Dennis on this. FT-243 Crystals
have gone through
>the

>roof. Last time I checked with JAN Crystal out of
Ft. Myers Florida,

>they

>wanted something like \$25 dlrs a piece to make them.
This is unreal.

<snip>

Date: Wed, 20 Mar 2002 06:18:00 -0800

From: "W2WU" <w2wurjj@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [122640] QRP XMTR TUBE CHOICE

Message-ID: <000701c1d01a\$2245a040\$71c2fea9@w2wu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

List:

Has anyone considered the 6CL6, 5763, 6AQ5 feeding a 6360 or the 5894?
Seems most discussion centers around single ended finals. I'd think a 2E26
would be a good choice for "boots". 73, Ron W2WU

Date: Wed, 20 Mar 2002 08:06:40 -0600
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>
To: qrp-1@lehigh.edu
Subject: [122641] History of the quartz crystal
Message-ID: <3.0.1.32.20020320080640.008566b0@rouge.phys.lsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Interesting... given the current flurry of FT-243 and tube curiosity...
article on the history of the quartz crystal

<http://www.corningfrequency.com/history/vbottom.html>

72
Jim N5IB

Date: Wed, 20 Mar 2002 06:34:24 -0800
From: "Mike Standbridge" <ve7mst@goldcity.net>
To: "QRP-1" <qrp-1@Lehigh.EDU>
Subject: [122642] Fw: QRP tube Radio Kit
Message-ID: <00e301c1d01c\$55f58520\$75dcc2cf@mike>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "OSE" <ose@oselectronics.com>
To: "Mike Standbridge" <ve7mst@goldcity.net>
Sent: Wednesday, March 20, 2002 5:27 AM
Subject: Re: QRP tube Radio Kit

> Mike
> We no longer carry any tube type radio kits.
> Frank
>

> ----- Original Message -----
> From: "Mike Standbridge" <ve7mst@goldcity.net>
> To: <ose@oselectronics.com>
> Sent: Tuesday, March 19, 2002 11:59 PM
> Subject: QRP tube Radio Kit
>
>
> > Hello,
> > It has been brought to my attention that you May have a tube radio kit
> > transceiver or transmitter for 80 meters (or any band). I would be
> > interested in such a project. Can you please advise me of the
availability
> > of such a kit?
> > Thanks
> > Mike Standbridge
> >
> >
>
>
>

Date: Wed, 20 Mar 2002 07:47:06 -0700
From: "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
To: "'QRP-l Messages'" <qrp-l@lehigh.EDU>
Subject: [122643] CUB FOX: CNFO, the morning after.
Message-ID: <BF11C300DA60D5118A2900508BCF825B03416C75@entcoexch05.tci.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset=iso-8859-1
Content-Transfer-Encoding: 7bit

Wow! Sounds like a rough outing for the Foxi. Certainly less than good conditions here in Colorado.

At this point, I can confirm that 5 Fox stations were on the air.

N0IT
AG0T
W0IS
K04WX
VE3FAL

I thought I heard KA8MAV at one time but lost him in major QRM at 7.137 Mhz.
(If it was in fact Brice)

Heard the "0" stations through out the 2 hours, never could find VE3FAL and K04WX was very patient in pulling out my puny signal.

Sorry to say, only 4 Foxi worked at a SER = 1.1. I know Todd would have heard me at less than the 2 watts but didn't know that at the time. Heard him several times later at considerably stronger signal.

Thanks to the Fox stations for enduring the 2 hours and thanks to the Hounds who came out and scoured the band for the elusive prey.

Hounds, if you want included in the results list, please send me your info at KI0II@arrl.net

Sometimes it isn't easy!

72 Ron ki0ii

Date: Wed, 20 Mar 2002 10:09:05 EST
From: N4SKS@cs.com
To: qrp-1@lehigh.edu
Subject: [122644] parts for sale tube type
Message-ID: <166.aaaa4ba.29ca0011@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am continuing to clean out the storage building before moving to a new parsonage. I have so much it is not practical to dig it all out at once. But since I read many tube emails I thought this might be of interest.

F/S...quan. 7 to 10 (not sure) 807 tubes . these are as is but at least some are still in boxes.....whole lot \$10.00 plus \$4.00 shipping conus only

BUD aluminium chassis..have 3 never drilled
2" x 10" x 17" , 2" x 17" x 13" , 3" x 14" x 10"
Prefer to sell them as a lot \$25.00 plus \$5.00 shipping

I also have tube sockets of all sizes new and chokes , coils etc. lots of other tubes also

73 Les K4NK

Date: Wed, 20 Mar 2002 15:13:29 +0000
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: KI0II@arrl.net
Subject: [122645] CUB FOX: KA8MAV CFNO Log
Message-ID: <023f01c1d021\$caa51840\$7101a8c0@lwrnce01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Well, the band was VERY noisy. I started out around 7060.0 but due to heavy QRM decided to move up into the Novice portion of the band. It was pretty lonely up there. I ended up on 7137.7 and handed out a pelt. Yes, ONE pelt. Anyway... it was still a lot of fun and I too would like to do this again sometime.

73/72/71! de Brice KA8MAV

Time Call RST QTH Name PWR

0234 W5YR 559 TX GEORGE 5W

SER = 5.00

Date: Wed, 20 Mar 2002 10:16:43 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <tdufres@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122646] Re: (re) Prewound Torroids
Message-ID: <20020320151803.ZSGF19878.imf22bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 3/13/02 4:04 PM, Tom Dufresne at tdufres@hotmail.com wrote:

>No offense intended, but isn't winding torroids, tinning leads, and
>soldering in components the whole idea of the "kit" experience?

Gosh, next thing you know, you'll want us to make our own resistors and capacitors....

>All I care about is
>that when I plug my homebuilt or kit in for the first time, I get and can
>send signals, those neat "beep-beeps that let me know what I did and built
>is working.

The master maker of all electronic kits, Heathkit, often provided pre-fabricated parts, and sometimes even whole assemblies.

I don't see how having pre-wound toroids would diminish the experience.

I'm just to the final alignment phase of my K2, and it's taken me about 30 hours to build. Pre-wound toroids would only have saved me about an hour or two.

>Maybe I'm just an idiot, I can see it helping a ham with legitimate
>disabilities, but to purchase them because "it saves time?" What the heck?

>From my experience, winding the toroids isn't hard -- it's even fun. It's tinning the danged leads that aggravates me....

>I do NOT want to begrudge a legitimate business his or her deserved
>earnings, I just would encourage some of those who really want to "build
>their own" to do it, then. You MAY actually find that winding toroids is
>really kind of fun! I know, tell me that when I am in the middle of my xth
>torroid to wind, right? hehehe Well, to each his own.

I'd wind them all day. (Well, I don't like the little FT37 cores....)
Tinning, on the other hand....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 20 Mar 2002 10:20:19 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <aa4lr@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122647] Re: (re) Prewound Torroids
Message-ID: <00ab01c1d022\$c098f640\$0600a8c0@charter.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I don't think having pre-wound torroids degrades the kit experience. I mean, you could just as easily (well, ok, almost but not quite) been given fixed value inductors, or transformers, right?

Some people hate to wind those things. Me? I don't mind it, but it is a bit tedious. Actually, I didn't mind the winding, it was the scraping and tinning that I hated. I just never felt warm and fuzzy about the connections until I had them in place and verified everything. And even then I was worried until I got the thing actually working.

Mike

----- Original Message -----

From: "Bill Coleman" <aa4lr@arrl.net>
Subject: Re: (re) Prewound Torroids

> On 3/13/02 4:04 PM, Tom Dufresne at tdufres@hotmail.com wrote:
>
> >No offense intended, but isn't winding torroids, tinning leads, and
> >soldering in components the whole idea of the "kit" experience?
>
> Gosh, next thing you know, you'll want us to make our own resistors and
> capacitors....
>
> >All I care about is
> >that when I plug my homebuilt or kit in for the first time, I get and
> can
> >send signals, those neat "beep-beeps that let me know what I did and
> built
> >is working.
>
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>
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>
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> 30 hours to build. Pre-wound torroids would only have saved me about an
> hour or two.
>
> >Maybe I'm just an idiot, I can see it helping a ham with legitimate

> >disabilities, but to purchase them because "it saves time?" What the heck?
>
> >From my experience, winding the toroids isn't hard -- it's even fun. It's
> tinning the danged leads that aggravates me....
>
> >I do NOT want to begrudge a legitimate business his or her deserved
> >earnings, I just would encourage some of those who really want to
"build
> >their own" to do it, then. You MAY actually find that winding torroids
is
> >really kind of fun! I know, tell me that when I am in the middle of my
xth
> >torroid to wind, right? hehehe Well, to each his own.
>
> I'd wind them all day. (Well, I don't like the little FT37 cores....)
> Tinning, on the other hand....
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

Date: Wed, 20 Mar 2002 07:21:05 -0800
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [122648] Pixie key click reduction
Message-ID: <001901c1d022\$dac084c0\$0b02a8c0@0020115492>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for some ideas to reduce clicks when Pixie-2 is keyed:

- a) in the original design, where the amplifier power is switched
- b) where the amplifier is left running (so I can feed sidetone to the amp on
xmit)

The key line in the Pixie grounds a 0.05u capacitor that sits at several
volts above
ground. This point is also the detected audio takeoff, so it connects to
the 386 input
through a capacitor. The power on the 386 turns off too late to avoid a
loud click when
the key is operated.

Any ideas welcomed. (Sorry if this appears twice, first post never appeared here).

73 de ian, k3imw/6

Date: Wed, 20 Mar 2002 10:27:14 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122649] Re: Antenna question... trap dipoles
Message-ID: <00bb01c1d023\$b8751c40\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow did that generate a lot of email! Both public and private!

Ok, let me say I'm not 'displeased' with my 40M dipole. It works gangbusters. Especially on 40M.

But I DO notice that it works best on 40M. While I can tune it just fine and 'make' it work anywhere I want, I do notice that 40M is much more 'active' than any other band I'm on. And since I've only been running HF in the last 2 years or so (since I got the K2. I did run HF CW years ago but that was in the early 80's) I'm not familiar with the 'feel' of the way the different bands perform enough to make an assessment as to 40M being 'sweet' with my antenna or not.

So, I was just trying to get a feel for if I would see any improvement on the other bands if I put up a 'trap dipole'.

The consensus is pretty much no. But for a variety of reasons.

Still, I do have that urge to build some kind of trap antenna, maybe just to prove I can build a trap! Perhaps some kind of trap vertical...

In any case, thanks for all the responses.

Mike

Date: Wed, 20 Mar 2002 07:28:36 -0800
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122650] Re: Surf CPO
Message-ID: <000601c1d023\$e86a5500\$a41d5540@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nice work Jim. What's a 9081 Surfboard?
Thanks.
WA7TQK - Bill

>I built a 555 CPO on a 9081 Surfboard. Here's a picture.
><http://lightning.qrp.com/~wd9eyb/junk/surfcpo.jpg>
>
>Jim, WD9EYB
>
>

--

Date: Wed, 20 Mar 2002 10:46:22 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: fxtech@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122651] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone
Frequencies
Message-ID: <3C98AECE.AA4B0855@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually it is under new ownership, but they still have all the old
machinery

A tip I passed on the the original poster is go to any hamfest and buy a
couple of old FT243 crystals. Take them home and open them up. Three
small Phillips screws does it! The gasket may also be stuck, gently pry
the cover off. Remove everything you find inside.

Now, for the piece de resistance, take a Norcal HC49 crystal and solder it in across the pine. It is generally a perfect fit, but since they were made by many you may have to do a bit of filing too. Replace the cover and use a Dymo tape label machine to mark the frequency.

Walla, you have a modern, new crystal in a FT243 holder. You will probably have to be careful about crystal current, but a small pilot lamp should do that!

73

Date: Wed, 20 Mar 2002 10:50:48 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122652] Re: (re) Prewound Torroids
Message-ID: <001b01c1d027\$02431fe0\$0400000a@hunkar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

2 years ago I wrote up how I tin the magnet wire on torroids.
Below is the text from my web pages. Hope this helps some folks.

-72, Diz, W8DIZ

1...The trick to tinning magnet wire is to find a GOOD WAY to remove the insulation first. Some magnet wire will melt the insulation off as soon as it is heated. This stuff is easy to tin. Just heat it with your solder pencil and apply solder at the same time. However, if you have the other kind of wire, there is a method that I use to remove the insulation. Here's how.

2...Obtain a medium size and sharp pair of wire cutters, also called dikes by some electricians. Some folks also call them side cutters. The best ones are cutters that have beveled jaws.

3...Hold the dikes in you right hand, placing your thumb on the side of one of the handles, your index finger between the handles and the other three (I hope) fingers on the other handle.

PIX HERE

4...Practice opening and closing the jaws of the dikes by moving your index finger up and down the crotch of the dikes (no pun intended, sri). The idea

here is to be able to insert a wire into the jaws of the dikes and grabing it without nicking or cutting the wire.

5...After you are barely holding the wire in the crotch of the dikes, pull the wire thru the dikes with your left hand, constantly monitoring the pressure of the jaws with your right hand. Repeat this proceedure, rotating the wire in the jaws of the dikes.

6...With repeated practice, you should be able to strip some, most or all of the insulation off of the wire. Once you have removed half or more of the insulation, you can tin the wire, which will usually remove any remaining insulation.

7...When stripping and tinning toroid wires, strip and tin the wires all the way to the body of the toroid. Many times the insulation is not stripped all the way to the body of the toroid, so when you insert this wire into a PCB hole for soldering, the insulation is still on that part of the wire that penetrates thru the PCB solder hole, NOT making a proper electrical connection.

from <http://www.kitsandparts.com/wtoroids.html>

Date: Wed, 20 Mar 2002 10:51:39 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <blinn@smgazette.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122653] Re: Surf CPO
Message-ID: <010c01c1d027\$2151de80\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think Surfboard is a trademark term for small PCBs sold to allow a person making a prototype with surface mount parts to easily mount them.

They come in a variety of flavors, from boards that will plug into a DIP socket (with pins) to 'paddle boards' to just blanks boards you solder wires to.

There's a lot of 'standard' boards in the catalog. I think you can get a good idea from the DigiKey catalog.

Mike

> Nice work Jim. What's a 9081 Surfboard?
> Thanks.
> WA7TQK - Bill
>
>
> >I built a 555 CP0 on a 9081 Surfboard. Here's a picture.
> ><http://lightning.qrp.com/~wd9eyb/junk/surfcpo.jpg>
> >
> >Jim, WD9EYB
> >
> >
>
>
> --
>
>

Date: Wed, 20 Mar 2002 10:40:36 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <w2wurjj@verizon.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122654] Re: QRP XMTR TUBE CHOICE
Message-ID: <001301c1d03e\$bae1e240\$c755d03f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>>
Has anyone considered the 6CL6, 5763, 6AQ5 feeding a 6360 or the 5894?
Seems most discussion centers around single ended finals. I'd think a 2E26
would be a good choice for "boots". 73, Ron W2WU
<<

I can't resist 'thinking smaller' when it comes to tube projects. The 955
or 958 triodes, f'rinstance. There are also a number of wire-lead 'pencil'
tubes from the '50s which would also be fun to use for 'flea-power' work.

73- Dave, K1SWL

Date: Wed, 20 Mar 2002 10:03:43 -0600
From: "Patrick Cummins" <pcummins@misnet.com>
To: <fpqrp-1@mpna.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [122655] Torroidal cores, need help identifying, an update
Message-ID: <000001c1d029\$49b01e80\$5c8489d0@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi there all
this is kind of long and rambling

- Well thanks to all who responded with some helpful hints and information. In answer to some questions these cores are ones that I received from a friend (?) who like me is kind of a pack rat and does not like to throw away perfectly good parts (right) even if we don't know for sure what their values are. (We give them to people with the statement, "Well maybe you can do something with these neat whatever's.) Anyway they were purged residual stock from a manufacturing plant (electronics) that he got in a high bid for a box of "miscellaneous components". The problem was that the cores are generic, and the part number (of course) was not on the container for them, That would have been too easy. Anyway, I think they are ferrite but not sure. Also not sure if it matters.

As several of you stated, Q will be important. I don't know why I forgot about that! (Strikes sloping forehead with palm, look on face of embarrassment, chagrin and confusion.) So I guess I will go see if there is a way for me to measure that. I may be able to just measure the bandwidth of the tuned test circuit (3 or 6 db point) and get an idea of whether the Q is low , medium or high. I do not believe that I really need to know the exact values, just if it will be good at the freqs I intend to use. This may also allow me to determine roughly what freqs the cores will wook at. (It is times like this that I kind of regret my dissapated youth when I spent all my money on wine, women, and song ("spent all me tin on the ladies drinkin gin") instead of something really worthwhile like a Heathkit Q-Meter kit or some lab grade L&N or GR instruments.)

Anyway, these cores. which are about one-half inch or so in diameter, were what I intended to try out in the balanced tuner curcuit that I am experimenting (playing arround) with. They may be ok, but then again maybe not. Not really a big deal since I guess I will have to order me a few cores for this. They are not that expensive and I will be able to use them to compare the measurements on the cores I have to what I get when I do the same tests on the new ones. This might allow a method to at least get a fair idea of what the specs on unknown cores are. Will inform you all of

what I can find out about testing and measuring cores, whether it works or not. (Even negative results can be informative.)

Anyway thanks again for the help and info.
72, 73 and 00

Patrick S. Cummins, W5PSC
pcummins2misnet.com

Date: Wed, 20 Mar 2002 11:15:36 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: nn1g@earthlink.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122656] Re: QRP XMTR TUBE CHOICE
Message-ID: <002a01c1d02a\$7860d3e0\$7101a8c0@lwrnce01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

In my opinion, the 3A5 dual-triode is the ultimate in QRP tubes. I'm still looking for "just the right way" to key it... but take a look at the specs. It's an incredible little tube and deserves more attention than it usually gets.

73/72/71! de Brice KA8MAV

----- Original Message -----
From: "Dave Benson" <nn1g@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, March 20, 2002 1:40 PM
Subject: Re: QRP XMTR TUBE CHOICE

>
> >>
> Has anyone considered the 6CL6, 5763, 6AQ5 feeding a 6360 or the 5894?
> Seems most discussion centers around single ended finals. I'd think a 2E26
> would be a good choice for "boots". 73, Ron W2WU
> <<
>
> I can't resist 'thinking smaller' when it comes to tube projects. The
955
> or 958 triodes, f'rinstance. There are also a number of wire-lead
'pencil'
> tubes from the '50s which would also be fun to use for 'flea-power' work.

>
> 73- Dave, K1SWL
>
>

Date: Wed, 20 Mar 2002 10:26:16 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [122657] FOX: N0IT Preliminary CFNO Log
Message-ID: <3C98B827.487A3708@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Well, here is my preliminary log for CFNO. Please send me any corrections.

Minus dupes, I count 33 QSO's: 29 hounds, 3 foxi, and myself. According to my precise calculations, my SER is 4.06. About the worst band conditions I've experienced in some time. S-meter didnt drop below S9 for the entire first hour. It took some fine signals and a lot of repeats to make it through. Thanks for the persistance.

73 de Dave, N0IT

UTC	CALL	MY	RST	STATE	NAME	POWER
-----	------	----	-----	-------	------	-------

0205	N9NE	559	WI	TODD	5W	
------	------	-----	----	------	----	--

0206	K0EVZ	579	ND	DOC	5W	
------	-------	-----	----	-----	----	--

0208	K8CV	559	MI	WALT	5W	
------	------	-----	----	------	----	--

0208	W4BQP	559	NC	JIM	5W	
------	-------	-----	----	-----	----	--

0209	W5YR	559	TX	GEORGE	5W	
------	------	-----	----	--------	----	--

0210	K4GT	559	GA	JIM	5W	
------	------	-----	----	-----	----	--

0211	KI0II	579	CO	RON	900MW	
------	-------	-----	----	-----	-------	--

0212	W9HL	559	IL	RANDY	5W	
------	------	-----	----	-------	----	--

0214	KK5LD	559	TX	DAN	5W	
------	-------	-----	----	-----	----	--

0215	AF4PS	559	FL	MAC	3W	
------	-------	-----	----	-----	----	--

0217	K5DW	559	TX	DON	5W	
------	------	-----	----	-----	----	--

0218	N4MAP	559	GA	SAM	5W	
------	-------	-----	----	-----	----	--

0219	KC9LC	559	VA	RANDY	5W	
------	-------	-----	----	-------	----	--

0223	W0IS	599	MN	RICK	5W	
------	------	-----	----	------	----	--

0224	WV9N	559	OH	RANDY	1W	
------	------	-----	----	-------	----	--

0226 AJ4AY 559 AL JAY 4W
0228 WA9TZE 559 WI JIM 2W
0233 KG4LDY 559 VA JIM 1W
0236 KC9LC 559 VA RANDY 5W
0238 KE4TG 559 TN ROY 5W

0240 WA8BXN 599 OH MIKE 5W
0243 KB1FKL 549 CT MATT 5W
0245 WR50 559 TX DAVE 5W
0250 AG0T 599 ND TODD 4W
0253 K04FX 559 GA MIKE 5W

0255 K9IUA 559 IA KEVIN 5W
0257 W5TEH 559 RI LEE 5W
0301 KB0LUR 559 CO PAUL 1W
0310 AF4LQ 559 KY MIKE 5W
0312 K0IIN 559 CO JASON 5W

0333 NK9G 559 WI RICK 5W
0341 WB8WTU 559 OH DENNIS 2W
0358 KG6CYN 549 CA TREVOR 1W
0400 N0IT FOX MO DAVE 5W

Date: Wed, 20 Mar 2002 10:26:47 -0600
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [122658] ALTOIDS TINS
Message-ID: <007c01c1d02c\$08cee600\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I have a question? What is the obsession with using ALTOID TIN for construction projects? I have been using stainless steel baking pan for 30 years and they look really neat. Am i missing out on something???

dennis w5vaf

Date: Wed, 20 Mar 2002 11:38:01 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <ianmwilson@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [122659] RE: Pixie key click reduction
Message-ID: <GCECIJFJPOHMCKACOA0BKE0JDKAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ian -- K3IMW/6:

You might see if you can adapt my TT2 keyer mod to the Pixie -- see
<http://pweb.netcom.com/~jakecart/TT2.html> . I actually swiped this from the
NJQRP Club Fireball 40 -- the schematic is at
<http://www.njqrp.org/fireball40/fb40amp.pdf> (last page of FB40 Amp manual).

Good Luck,

Jake -- N4UY

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Ian Wilson
Sent: Wednesday, March 20, 2002 10:21 AM
To: Low Power Amateur Radio Discussion
Subject: Pixie key click reduction

Looking for some ideas to reduce clicks when Pixie-2 is keyed:

- a) in the original design, where the amplifier power is switched
- b) where the amplifier is left running (so I can feed sidetone to the amp on
xmit)

The key line in the Pixie grounds a 0.05u capacitor that sits at several
volts above
ground. This point is also the detected audio takeoff, so it connects to
the 386 input
through a capacitor. The power on the 386 turns off too late to avoid a
loud click when
the key is operated.

Any ideas welcomed. (Sorry if this appears twice, first post never appeared
here).

73 de ian, k3imw/6

Date: Wed, 20 Mar 2002 10:41:00 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: nn1g@earthlink.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122660] Re: QRP XMTR TUBE CHOICE
Message-ID: <3.0.2.32.20020320104100.00834770@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dave, great.

Used to have some of them.

>There are also a number of wire-lead 'pencil'
>tubes from the '50s which would also be fun to use for 'flea-power' work.

Wonder if a Nuvistor would work as a flea-power xmitter. I'd bet you could use modern crystals with them.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Wed, 20 Mar 2002 11:43:30 -0500
From: John Wagner <john@wagner-usa.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122661] Re: ALTOIDS TINS
Message-ID: <B8BE2662.E47%john@wagner-usa.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Yes.

We have fresh minty breath from eating altoids. We need this because we eat a lot of tuna to make Tuna Tin 2's.

QRP'ers have the freshest breath at the hamfests. You never noticed this?

73,

John, N1QO

> From: DENNIS SMITH <ne4o@swbell.net>

> Reply-To: ne4o@swbell.net
> Date: Wed, 20 Mar 2002 10:26:47 -0600
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: ALTOIDS TINS
>
> I have a question? What is the obsession with using ALTOID TIN for
> construction projects? I have been using stainless steel baking pan for 30
> years and they look really neat. Am i missing out on something???
>
> dennis w5vaf
>
>

Date: Wed, 20 Mar 2002 16:47:17
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: w6toy@erols.com
Cc: qrp-1@lehigh.edu
Subject: [122662] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencie
Message-ID: <F3ynSGrnXcEMfygh6wT000033bc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Bruce Muscolino (w6toy@erols.com) advises:
"..buy a couple of old FT243 crystals. Take them home and open them up ...
take a Norcal HC49 crystal and solder
it in across the pine. ... You will
probably have to be careful about crystal current, but a small pilot
lamp should do that!"

Great idea but you may need to be more careful than a lamp will indicate. A
while ago we did some calculations on the Glowbugs list based on datasheet
specs (which may be very conservative, I don't know) which suggested a
maximum current of a few mAs in an 80 meter crystal. I couldn't find any
lamps that would fall into that range.

General advice, though, is to avoid driving the crystals hard. You'd
probably want to stick with MOPA or better designs and have some means to
control the screen (and therefore drive level) on the MO tube (assuming it
is a pentode - preferrably high transconductance).

Brad KG6IOE

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 20 Mar 2002 11:45:49 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: DENNIS SMITH <ne4o@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122663] Re: ALTOIDS TINS
Message-ID: <20020320114456.X30637-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 20 Mar 2002, DENNIS SMITH wrote:

> I have a question? What is the obsession with using ALTOID TIN for
> construction projects? I have been using stainless steel baking pan for 30
> years and they look really neat. Am i missing out on something???

My daughter loves to bake...can you tell me where to get the baking pans
as small as an Altoids tin? She'd be reall happy.

thom

Date: Wed, 20 Mar 2002 10:01:09 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu, w5xe@juno.com
Subject: [122664] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencies
Message-ID: <20020320.100112.-377537.3.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Likewise at the hamfest, club auctions, etc (I recently bought
a box of ft-243 crystals for 50 cents at a club auction) don't
pass up the FT-241 crystals. The body is larger than the
FT-243 but pin size and spacing is the same. There are a
lot of hamband frequencies in those types of crystals, and
if one wants to use the non-ham frequency types for installation
of the hc-49 type crystals, they fit much better in the body of
the FT-241. You might want to use a pilot lamp or resistor
in series with the crystal socket to prevent damage to the

smaller crystals from the high current of the older tube circuits.

73

Ray

I have gone to look for myself, should I return before

I get back, hold me until I get there!

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M

NARTE-NCT2R FP# 111, SOC#78,QRP-ARCI 5784,

El Paso,(FAR WEST)TEXAS

Date: Wed, 20 Mar 2002 11:59:37 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <baltimoremd@baltimoremd.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [122665] Re: ALTOIDS TINS

Message-ID: <002701c1d030\$a92a16c0\$0600a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Kenner used to sell them as accessories for the Easy Back Oven.

Mike

----- Original Message -----

From: <baltimoremd@baltimoremd.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, March 20, 2002 11:45 AM

Subject: Re: ALTOIDS TINS

> On Wed, 20 Mar 2002, DENNIS SMITH wrote:

>

> > I have a question? What is the obsession with using ALTOID TIN for
> > construction projects? I have been using stainless steel baking pan
for 30

> > years and they look really neat. Am i missing out on something???

>

> My daughter loves to bake...can you tell me where to get the baking pans

> as small as an Altoids tin? She'd be reall happy.

>

> thom

>

>

Date: Wed, 20 Mar 2002 17:22:19
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: w5xe@juno.com
Cc: qrp-1@lehigh.edu
Subject: [122666] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencie
Message-ID: <F120f6YwMHm5WeHv032000003605@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

William R Colbert (w5xe@juno.com) states:
"..don't
pass up the FT-241 crystals. The body is larger than the
FT-243 but pin size and spacing is the same..."

I believe that this is not correct. The spacing is slightly different. I
have some FT-241 crystals with bent pins that were apparently rammed into a
socket designed for an FT-243. I think that the spacing is 0.500" for the
former and 0.486" for the latter.

Brad KG6IOE

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 20 Mar 2002 11:20:49 -0600
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [122667] JAN QQ
Message-ID: <000701c1d033\$94d0b5a0\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

IS THERE STILL NO WORD ON JAN QQ? THEY SAID IT WAS AT THE MAILERS THREE
WEEKS AGO.
DENNIS

Date: Wed, 20 Mar 2002 12:26:07 -0500

From: KKANALZ@prodigy.net
To: <ne4o@swbell.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122668] ALTOIDS TINS versus Baking Pans
Message-ID: <AA-82F47BCFCC46658E9F00C40DFB8B2383-ZZ@homebase1.prodigy.net>

Altoid boxes (tins) are a lot smaller than stainless steel baking pans, for one thing, Dennis! From my observation, the QRP "community" is into "smaller and lower power is better", hence, Altoid boxes are one of the methods of choice (with the demise of "Sucrets" tin boxes) for construction.

I'll sell my collection of Altoid boxes (five of them) for \$100 each, postage-paid anywhere in the world, but I would never presume to construct a "Tuna-Tin II" in a steel (or other) baking pan, believe me!

There's nothing inherently wrong with constructing on baking pans, understand, especially if you have to construct "large" projects with hollow-state devices or large transformers, but most QRP'ers like to "do it small" (no sexual inuendo intended!).

Karl K - W8TIF
McKinney, Texas
--- Original Message ---
From: DENNIS SMITH <ne4o@swbell.net>
To: <qrp-1@Lehigh.EDU>
Subject: ALTOIDS TINS

>I have a question? What is the obsession with using ALTOID TIN for construction projects? I have been using stainless steel baking pan for 30 years and they look really neat. Am i missing out on something???

>dennis w5vaf

Date: Wed, 20 Mar 2002 12:43:46 -0500
From: KKANALZ@prodigy.net
To: <w5xe@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122669] FT-243 versus FT-241
Message-ID: <AA-326EB19A5C3C22ADCDD13CF7EA325D44-ZZ@maillink1.prodigy.net>

Be careful, guys! Most FT-241 crystals were originally designed and used for "Tank Radios", FM on about the 10M band. The crystal blanks in the FT-241 holders, however, are NOT ground for the frequency (ies) marked on the holders, but are *much* lower in frequency than marked on the case (you'll usually see a "Channel" number and a frequency marked on the *top* of the housing).

The (relatively) high frequency shown is the *output* RF frequency of the transmitter, having been multiplied several times for FM-ing the transmitter to get some deviation. It is *not* the ground-frequency of the crystal blank.

Karl K - W8TIF
McKinney, Texas

--- Original Message ---

From: William R Colbert <w5xe@juno.com>

To: <qrp-l@lehigh.EDU>

Subject: Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM Phone Frequencies

>Likewise at the hamfest, club auctions, etc (I recently bought a box of ft-243 crystals for 50 cents at a club auction) don't pass up the FT-241 crystals. The body is larger than the FT-243 but pin size and spacing is the same. There are a lot of hamband frequencies in those types of crystals, and if one wants to use the non-ham frequency types <snip>

Date: 20 Mar 2002 09:51:59 -0800
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [122670] FS: DSW-20
Message-ID: <0E50E6IoLgUb7xjYIH000154bf@hotmail.com>

Date: Wed, 20 Mar 2002 17:51:58 +0000
X-Mailer: Gopher King 1.90 - MAPSATONMAPSATON

For Sale: Small Wonder Labs DSW-20 in like new condition, blue factory enclosure, works FB, with complete original docs.. Hate to sell, but need money for another rig.

\$160.00 shipped and insured

Alan, N3BJ
Bent Mountain, VA

Date: Wed, 20 Mar 2002 12:55:18 EST
From: N4SKS@cs.com
To: qrp-1@lehigh.edu
Subject: [122671] Re: parts for sale tube type...sold
Message-ID: <161.ab1a306.29ca2706@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

SORRY the chassis are sold.

Date: Wed, 20 Mar 2002 12:49:36 -0500
From: "Mike Boatright" <ko4wx@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [122672] Re: ALTOIDS TINS
Message-ID: <NFBBIILMKMIILGKAJMBLMECNCEAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ah, now you've let my secret out of the bag...why else do you think I prefer
Whitman's Sampler tins???

72 de Mike, K04WX

Date: Thu, 21 Mar 2002 00:07:00 +0700
From: bam yb0ko/1 SOETRISNO <unclebam@indosat.net.id>
To: talljazz@teleport.com, qrp-1 <qrp-1@lehigh.edu>
Subject: [122673] Re: rain and open wire line
Message-ID: <002801c1d03b\$0a8dd640\$85429bca@kutuimut>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

ME T00, Dan !

i'm using ALSO a commercial 450 ohm window line (i got it from cable x-pert, inc.) for a number of years up here, where rain is the norm (!!!), and ALSO don't really notice any major changes in tuner settings, power output etc., from wet to dry weather vice versa.

Tuner is a hmbrew Z-matcher (constructed after Bill Orr, W6SAI's articles in CQ magazines of Aug and Sept 1993), but prior to that I also used the same 'SPC' Transmatch (after Doug De Maw, W1FB), but mine was WITHOUT balun (instead, I use CHOKE balun all the time, made from 6-8 turns of coiled RG58A/U with approx. 10-12" dia).

I've used alternately the G5RV, Lofgren W6JJZ's Suburban Multibander and Paul Carr N4PC's Skywire (horizontal) Loop with this feedline also for about 6-7 years.

It always tunes up readily while changing bands (under the very worst condx i might hv problem with 15M setting, i've to "extra" carefully fiddling with both c1 and c2 to have to best SWR ---- but believe it will be easily cured if i cud take some time to vary the feeder line length a bit !) and so far I noticed a very slight variation in the setting of C2 only after heavy rain or thunderstorm.

i don't think it has any "direct" correlation with "conductive path accross spreaders (conductors?)" you mentioned.

73, bam yb0ko/1
bogor 16136, loc 0I33ji
6 38 04 S, 106 48 16 E
ts120v @ 8W (or reduced power TT-Scout 555), n4pc skywire @ 11 mtr

OT:

====

BTW Dan, weeks ago i had problem with my modem and telephone line so i was "away" for a few weeks. just a matter of curiosity --- hv u rcvd my off-list mssg dd 2/20/2002 responding to sam's inquiry? ----- hw is he now? pse pass on the warmest regards from his uncle down here

----- Original Message -----

From: "Dan Presley" <talljazz@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, March 19, 2002 2:04 PM
Subject: rain and open wire line

> Might seem like a silly question, but what exactly is involved with
> the increased losses with open wire line under rainy conditions? It's
> always been said that wet weather will increase the losses, but I've
> never heard a good explanation of why. Is it creating a conductive
> path across the spreaders? I've used a commercial 450 ohm window line
> for a number of years up here in the northwest where rain is the norm
> :), and don't really notice any major changes in tuner settings,

> power out, etc., from wet to dry weather. Tuner is a Matchbox, but
> prior to that I had a 'SPC' (Doug Demaw special) tuner with a hefty
> balun for the line. I've used the same antenna (delta loop design
> from N4PC) and feedline for about 6-7 years. It always tunes up
> readily while changing bands, and my 'log' of tuner settings is
> almost always the same year round. Any thoughts?
> --
> Dan Presley-N7CQR-Portland, Or QRP-L #502
> n7cqr@arrl.net
>

Date: Wed, 20 Mar 2002 18:27:24
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: KKANALZ@prodigy.net
Cc: qrp-l@lehigh.edu
Subject: [122674] Re: FT-243 versus FT-241
Message-ID: <F251CtZoFK8onzvMM16000020fe@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

KKANALZ@prodigy.net sez:

>Be careful, guys! Most FT-241 crystals were originally designed and used
>for "Tank Radios", FM on about the 10M band. The crystal blanks in the
>FT-241 holders, however, are NOT ground for the frequency
>(ies) marked on the holders, but are *much* lower in frequency than marked
>on the case (you'll usually see a "Channel" number and a frequency marked
>on the *top* of the housing).

>The (relatively) high frequency shown is the *output* RF frequency of the
>transmitter, having been multi-
>plied several times for FM-ing the transmitter to get some deviation. It
>is *not* the ground-frequency of the crystal blank.

There are at least two series of these crystals; one that has channel numbers with three digits and one with two digits. The fundamental frequency (in Mc) of the three digit series is simply found by dividing the channel number by 720. The two digit series have a fundamental that is equal to 20 plus the channel number divided 10, the result divided by 54.

Example:

Channel 273 has operating frequency of 27.3 Mc but fundamental of 27.3/72 or 379.166 kc.

Channel 54 has operating frequency of 25.4 Mc but fundamental of

25.4/54 or 470.370 kc.

Brad KG6IOE

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 20 Mar 2002 13:47:09 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <w8diz@fpqrp.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122675] Re: (re) Prewound Torroids
Message-ID: <20020320184830.MKGW17947.imf17bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 3/20/02 10:50 AM, w8diz at w8diz@fpqrp.com wrote:

>1...The trick to tinning magnet wire is to find a GOOD WAY to remove the
>insulation first. Some magnet wire will melt the insulation off as soon as
>it is heated. This stuff is easy to tin. Just heat it with your solder
>pencil and apply solder at the same time.

This is the kind that Elecraft supplies in their kits. It sounds easy,
but it is a bit more involved.

First, you have to have a good blob of solder on the iron to a) transfer
the heat, b) collect the insulation debris, and c) tin the lead. The blob
loses its effectiveness for b) in short order. This means you have to
clean the iron tip, apply a solder blob, tin the lead until the blob will
take no more, clear the iron tip, etc.

Second, a low-wattage iron like you would use for PC board construction
doesn't put out enough heat to remove the insulation quickly. A solder
pot is probably best.

It just seems to take forever. Oh well. All the toroids in my K2 are
wound and installed. I just have to worry about those in the options....

>5...After you are barely holding the wire in the crotch of the dikes, pull
>the wire thru the dikes with your left hand, constantly monitoring the
>pressure of the jaws with your right hand. Repeat this procedure, rotating

>the wire in the jaws of the dikes.

I do this with the type of wire mentioned in 1). It speeds up the process!

>7...When stripping and tinning toroid wires, strip and tin the wires all the
>way to the body of the toroid. Many times the insulation is not stripped all
>the way to the body of the toroid, so when you insert this wire into a PCB
>hole for soldering, the insulation is still on that part of the wire that
>penetrates thru the PCB solder hole, NOT making a proper electrical
>connection.

This is sometimes hard to do, because you don't want to heat the core of the toroid directly. Hold everything in a pair of pliers helps to prevent burned figures.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 20 Mar 2002 14:01:43 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <aa4lr@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122676] Re: (re) Prewound Torroids
Message-ID: <002b01c1d041\$af7f6d20\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ah, just wait till you start on the ATU if you like winding toroids!!

When I built my K2, I came up with my own procedure that worked out great for me.

First I wound the toroid. That's pretty much up to you how you do it.

Then I used a set of 'tissue clamps' to hold the assembly. Tissue clamps are like hemostats (roach clips) only they don't have flat jaws. They have 'fingers' or a 'hand' that is designed to hold soft tissue. This held the toroid assembly firmly.

I then clipped the lead to about 1/2" or so. Once clipped, I used a BIC

lighter to BURN the insulation. I tried the solder blob, and even with my Weller station, it didn't work too well, so I started with the BIC lighter. Once burnt, I used an X-Acto to scrape the wire. Not the sharp edge of the blade, the square back edge. Then I tinned it.

One trick is to keep an old speaker laying there on the bench. I could just set the tissue clamp against the magnet and it would hold it in place as I scraped or burnt or soldered. And it was easy to 'grab and go'.

Once this was done, I would check the resistance on the EMPTY PCB for every pad to pad through what would be there when the toroid was in place. Then I soldered in and checked again, to make sure it made a good contact.

Mike

Date: Wed, 20 Mar 2002 09:35:43 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [122677] Ten tec 208A ?
Message-ID: <Pine.LNX.4.33.0203200927080.7801-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can someone supply a copy of the schematic for the above filter?
A scanned image would be fine. I was thinking of building an op amp filter for the 515. Is that what they used in the 208A?

Looking at the 1999 handbook 16.29 fig 16.55 two pole active cw filter. It seems that the circuit might work minus the audio preamp and amp stages.

73,

Jim n2go

Date: Wed, 20 Mar 2002 14:28:33 -0500
From: W2AGN <w2agn@pobox.com>
To: Brad Hernlem <alihernlem@hotmail.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122678] Re: FT-243 versus FT-241

Message-ID: <02032014283304.12723@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Wednesday 20 March 2002 13:27, Brad Hernlem wrote:
> KKANALZ@prodigy.net sez:

>
> There are at least two series of these crystals; one that has channel
> numbers with three digits and one with two digits. The fundamental
> frequency (in Mc) of the three digit series is simply found by dividing the
> channel number by 720. The two digit series have a fundamental that is
> equal to 20 plus the channel number divided 10, the result divided by 54.
>
> Example:
>
> Channel 273 has operating frequency of 27.3 Mc but fundamental of
> $27.3/72$ or 379.166 kc.
>
> Channel 54 has operating frequency of 25.4 Mc but fundamental of
> $25.4/54$ or 470.370 kc.

--

I have a bunch of FT-241 cased crystals, black, all for 3500 Kc. (Khz for you
whipper-snappers). I use them for band-edge markers in my BA rigs. They are
just marked "3500 Kc." Actually, I have others that are the same, but for
"4600 Kc."

Incidentally, perfect fit in FT-243 socket, no bending of pins or whatever.

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Wed, 20 Mar 2002 13:06:40 -0600
From: "George, W5YR" <w5yr@att.net>
To: Zoerb.Ron@broadband.att.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122679] Re: CUB FOX: CNFO, the morning after.
Message-ID: <3C98DDC0.8D248024@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Ron, at W5YR we heard and worked

KA8MAV
W0IS
N0IT
K04WX
AG0T

and maybe - just maybe

VE3FAL (heard and sent exchanges but he faded before ACK)

KB7WW was heard briefly then vanished completely before we could work him.

So, there were a total of seven Cubs heard here during the evening, with five worked.

We had major thunderstorms passing through here throughout the 0200-0400 period, but managed to operate with the attic antenna farm (full-size dipoles in the attic for 80, 40, 30 and 20 fed with a single RG-213 coax). Signals were surprisingly loud most of the time, and the Noise Reduction on the Icom PRO worked its magic and kept the ears from being blasted with static crashes chasing the S meter to +30 dB at times.

Lots of fun despite the conditions - hope we can have some more events like this before the Summer Hunts begin.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

"Zoerb, Ron" wrote:

>

> Wow! Sounds like a rough outing for the Foxi. Certainly less than good
> conditions here in Colorado.

Date: Wed, 20 Mar 2002 11:33:17 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122680] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencies
Message-ID: <009101c1d046\$16609100\$d399b2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I was going to try this method for one of my Boat Anchors, and was advised that the more modern crystals are too thin and would not stand up to the current or voltage present in the older rigs. Is this just a myth or fact, as I've got a few marine band FT-243's that I picked up at a ham swap for cheap that'll make good use for this method.

72/73's

Trev

KG6CYN

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, March 20, 2002 7:46 AM
Subject: Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone Frequencies

> Actually it is under new ownership, but they still have all the old
> machinery
>
> A tip I passed on the the original poster is go to any hamfest and buy
a
> couple of old FT243 crystals. Take them home and open them up. Three
> small Phillips screws does it! The gasket may also be stuck, gently
pry
> the cover off. Remove everything you find inside.
>
> Now, for the piece de resistance, take a Norcal HC49 crystal and
solder
> it in across the pine. It is generally a perfect fit, but since they
> were made by many you may have to do a bit of filing too. Replace the
> cover and use a Dymo tape label machine to mark the frequency.
>
> Walla, you have a modern, new crystal in a FT243 holder. You will

> probably have to be careful about crystal current, but a small pilot
> lamp should do that!
>
> 73
>

Date: Wed, 20 Mar 2002 14:33:36 -0500
From: "Vincent A. Santis" <vsantis@earthlink.net>
To: "Elecraft (E-mail)" <elecraft@mailman.qth.net>
Cc: "QRP List (E-mail)" <qrp-l@lehigh.edu>
Subject: [122681] Miracle Whip Antenna
Message-ID: <01C1D01C.4D10E8A0.vsanitis@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,

Has anyone tried the MIRacle Whip Antenna, if so, I would appreciate any and all comments.

Thanks,

Vince Santis, N1VS
Winsted, CT
NEQRP # 598
PRP-L # 2372
FISTS# 8053
CC # 1161

Date: Wed, 20 Mar 2002 14:41:28 -0500
From: W2AGN <w2agn@pobox.com>
To: "Vincent A. Santis" <vsantis@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122682] Re: Miracle Whip Antenna
Message-ID: <02032014412806.12723@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Wednesday 20 March 2002 14:33, Vincent A. Santis wrote:

> Hi,

>

> Has anyone tried the MIRacle Whip Antenna, if so, I would appreciate any
> and all comments. Thanks,

--

There have been numerous discussions about the "Miracle Whip." Basically it works as well as a very short, base loaded whip would be expected to work. About 3 db gain over a 50 ohm resistor.

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Wed, 20 Mar 2002 11:51:25 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [122683] WTB: Electroplating device
Message-ID: <NFBBKLDHALEHCJMAJPKFGEJLCNAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone on the list some time ago posted that they have an electroplating machine available ... still available?
Tracy N4LGH
tracy@bytemark.com
800-679-3184

Date: Wed, 20 Mar 2002 19:45:33 -0000
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122684] RE: Miracle Whip Antenna
Message-ID: <FDEOKGEJJFNPABJIJGDDAEJBDOAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi,

I built a simpler clone of the original QST article, which is documented on my web site. Signal reports were not favourable, it does get out on 15 and 10 but the signal reports left a lot to be desired. Take a look at the site for more information.

72's de Ray g4fon

RSGB, BATC, GQRP-10698
QRP-L 2378, QRPARCI 11153

ray@g4fon.co.uk
www.g4fon.co.uk

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Vincent A. Santis
Sent: 20 March 2002 19:34
To: Low Power Amateur Radio Discussion
Subject: Miracle Whip Antenna

Hi,

Has anyone tried the MIRacle Whip Antenna, if so, I would appreciate any and all comments.

Thanks,

Vince Santis, N1VS
Winsted, CT
NEQRP # 598
PRP-L # 2372
FISTS# 8053
CC # 1161

Date: Wed, 20 Mar 2002 14:50:08 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: ne4o@swbell.net, qrp-l@lehigh.edu
Subject: [122685] Re: JAN QQ
Message-ID: <3C98E7F0.69C7BB5A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Oh good! Can you imagine April in August! Seriously it is one of the things that happens with a club magazine. Way back when I proposed a paid editor but the club wouldn't buy it. I thought we could get a retired technical editor to work for under 10K or whatever social security allows and he would keep it going. Maybe the club should again take a look at this!

73

Date: Wed, 20 Mar 2002 14:58:01 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Brad Hernlem <alihernlem@hotmail.com>
Cc: qrp-l@lehigh.edu
Subject: [122686] Re: Help finding FT-243 Crystals ??? For QRP frequencies and AM
Phone
Frecuencie
Message-ID: <3C98E9C9.E916BE45@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad,

You can use any method you want to reduce the crystal current. The important thing is it will give you a new crystal in an old holder! If you are building a Tuna Tin 2 it will give you the look with very little effort!

The same thing would probably work with FT241 crystals. Unfortunately I only have one of them and it's cut for 7004 Kc. I wish it were cut for 7004 mHz! Anyway, I've never taken it apart.

83

Date: Wed, 20 Mar 2002 14:05:06 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122687] Re: CUB FOX: CNFO, the morning after.
Message-ID: <3C98EB72.2D7F6816@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

"George, W5YR" wrote:

> Lots of fun despite the conditions - hope we can have some more events like
> this before the Summer Hunts begin.

Good idea. That would be fun. Hunts just ended and I already miss them.
Chasing VP6DI is not quite the same.

73 de Dave, N0IT

Date: Wed, 20 Mar 2002 14:57:31 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [122688] Re: Building a tube QRP xmitter
Message-ID: <3.0.6.32.20020320145731.00795b30@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:54 AM 3/20/02 -0500, you wrote:
>Wonder if I can figure out how to drive a 6C4 with one of my little hartly
>VF0s?

Norcal has an article on their Web site that might help:

<http://www.fix.net/~jparker/norcal/nb6m/nb6mvxo.htm>

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 20 Mar 2002 15:32:28 -0500
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [122689] joel's truck revisited again
Message-ID: <20020320.153744.-245945.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

High Y'all

Some bodie asked what kind of truck
it's a dodge ram 1500 1994
engine 5.2 L f/1 v8
Gasoline engine
two tail pipes
two wires to each fuel injector
what seems to be a pump is located under the cab bolted to the frame

I put the rad shack filter at the battery and ran a wire directly
to the radio...
noise greatly reduced... to s7 on idling.. goes past s9 at 60mph
can hear popping
some whine
noise will geaux away if the antenna is taken off...
have made ssb contacts on 40 mtrs
noise is less when bandwidth is reduced....

Is that all the info u wanted????

ke1la joel
in maine

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<http://dl.www.juno.com/get/web/>.

Date: Wed, 20 Mar 2002 15:59:55 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
"NoVaQRP" <NoVaQRP@topica.com>
Subject: [122690] Good mail day, de N4UY
Message-ID: <GCECIJFJPOHMCKAC0A0BKEPCDKAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got some good mail today -- the April QST and QSLs for Guantanamo Bay (10, 15, 20 and 40!!) and KH0/JM1LRQ -- Saipan. I thought he was someplace in HI when I worked him, then, when inputting the addresses, realized I had a new one.

73,

Jake -- N4UY/QRP

Date: Wed, 20 Mar 2002 14:04:50 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Vincent A. Santis" <vsantis@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122691] Re: Miracle Whip Antenna
Message-ID: <Pine.LNX.4.33.0203201401340.3438-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes Vince, it's a Miracle anyone falls for this trap any more. This is a toy antenna that you *MIGHT* someday make a contact with. It's a radio shack replacement 6 foot whip with a coil at the bottom. About \$8.00 to build. It can't, and doesn't work.

On Wed, 20 Mar 2002, Vincent A. Santis wrote:

> Hi,
>
> Has anyone tried the MlRacle Whip Antenna, if so, I would appreciate any and all comments.
> Thanks,
>
> Vince Santis,N1VS
> Winsted, CT
> NEQRP # 598
> PRP-L # 2372
> FISTS# 8053
> CC # 1161
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Wed, 20 Mar 2002 15:01:46 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [122692] Re: Ten tec 208A ?
Message-ID: <5.1.0.14.0.20020320150127.02575740@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Jim,

I have the 208A CW Filter/Variable Notch Filter accessory for my Argonaut 515 but unfortunately, not the schematic.

For what it's worth, the IC's are RN4136N and used by both the cw filter and the notch filter. Finding one (or an equivalent) over twenty years after the fact might be quite a quest.

Instead of homebrewing a cw filter, you might consider adapting an old MFJ CWF-2 active audio filter. Typically a \$5.00 fleamarket item these days, it uses two IC 747's to provide 180, 110 and 80 hz bandwidths. Nice skirts too!

I hardwired a CWF-2 into an Argonaut 505 and it did a super job with that rig. It actually performed much better than the accessory 208 accessory filter that went with the follow-up Argonaut 509.

In my experience, the CWF-2 and 208A are very close in performance though the latter also includes the notch filter.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Wed, 20 Mar 2002 13:37:21 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [122693] Wire Temperature Ratings & solder pots (was - RE: Prewound Torroids)
Message-ID: <NFBBKLDHALEHCJMAJPKFIEJOCNAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I think the real issue is the temperature rating of the wire. We use 105, 155 and 200 (degrees C) rated wire. Most amateurs have no need for high temperature wire, so we should (IMHO) always get the lower rated wire. The 105 enamel is sometimes referred to as 'solder-ease' and 'solderable' wire. The solder blob method, using a 45 watt iron, works just fine for these coatings.

For the mid rated wire we use a solder pot. Small ones can be found inexpensively, especially if you're not looking for the ones that churn, filter or otherwise have mechanisms to automatically remove the debris that floats to the top and corrodes there. The thing to remember with solder pot tinning is to use a 'sweeping' motion, down and across, to remove the burnt enamel. A little bit of rosin in a cap or small container helps - dip the lead and then tin.

We have a device that looks very much like the chuck of a drill that takes the insulation off the 200 rated wire. You simply put the end of the wire in it, snug the chuck down on it and let it spin - great little tool for volume work. You can solder pot 200 degree C wire all day long and it won't damage the insulation.

A solder pot may be a good item to include in the intermediate / advanced workshop. I don't recommend solder pots to shops that are frequented by children, small animals, or touchy - feely buddies. (grin)

A buddy of mine made a cheap solder pot out of a 200 watt iron element. He drilled a hole in a metal cup (no clue what material ...) and braised the element through the hole and into the center of the cup. He made a nice base for it and put a rheostat inline with the element. Nice solder pot ...

Tracy N4LGH
(CWS ByteMark)

Date: Wed, 20 Mar 2002 16:33:28 -0500
From: "DIANNE M WISE" <roy537@prodigy.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122694] Re: Tinning Torroids
Message-ID: <009901c1d056\$e1307a20\$4697ff3f@rcrosier>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Has anyone tried using your wife's nail polish remover to remove the enamel coating on magnet wire? I'm not asserting that it would work, and I don't have anything to test it with in front of me at the moment---just an idea.

Of course, maybe you have your OWN polish remover, but we won't go there.....

Roy KE0UQ

Date: Wed, 20 Mar 2002 16:30:25 -0500
From: "d l" <nr2v@northnet.org>
To: "low power discussion" <qrp-l@Lehigh.EDU>
Subject: [122695] Re: Miracle Whip Antenna
Message-ID: <00ee01c1d056\$73cf12c0\$8725eed8@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

. It can't, and doesn't work.
>

My first rig was an Argo 509.
I once made a contact with it (by accident) into my dummy load,a network of 50 ohm resistors. Maybe 2.5 watts out of the finals!
And as a fella said earlier today- The Miracle Whip is 3db over that...
Milage is sure to vary
72/73 Dean

> On Wed, 20 Mar 2002, Vincent A. Santis wrote:
>
> > Hi,
> >
> > Has anyone tried the Mlracle Whip Antenna, if so, I would appreciate
any and all comments.
> > Thanks,
> >
> > Vince Santis,N1VS
> > Winsted, CT
> > NEQRP # 598

> > PRP-L # 2372
> > FISTS# 8053
> > CC # 1161
> >
> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>
>
>

Date: Wed, 20 Mar 2002 15:45:06 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <john@wagner-usa.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [122696] tube transmitters for beginners
Message-ID: <00eb01c1d058\$8d54d110\$4e100a0a@rohredt2000>

John,
Get a paper catalog from Antique Electronics Supply, that takes care of your parts sources. Ham swaps are your best local area bet for tube parts.

Get a 1950's vintage ARRL Handbook, say 1952 on, and there are simple Novice Rig projects in them. Also, all the explanations of the tube circuits used. That should get you started.

A nice project to start also, is the replica Ameco AC-1 which has a web page. very simple single tube transmitter oscillator, and one tube rectifier crystal controlled. Now this one is the super safe circuit with a RFC across the output to ground. That was in case the DC blocking cap shorted that comes from the plate, to keep DC from appearing on Antenna. You can forego the expensive choke by using two DC blocking caps in series, each of twice the value of one, and each of greater than the supply voltage. The probability of two DC blocking caps shorting at same time is pretty low, and you will have protection without having to find another rare pi wound RF choke, or pay its expense. All the other components have modern versions easily available, with help of AES, and other tube vendors.

GL and 72,
Stuart K5KVH

Date: Wed, 20 Mar 2002 16:50:57 -0500
From: W2AGN <w2agn@pobox.com>
To: d l <nr2v@northnet.org>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122697] Re: Miracle Whip Antenna
Message-ID: <02032016505707.12723@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Wednesday 20 March 2002 16:30, d l wrote:

> My first rig was an Argo 509.
> I once made a contact with it (by accident) into my dummy load,a network
> of 50 ohm resistors. Maybe 2.5 watts out of the finals!
> And as a fella said earlier today- The Miracle Whip is 3db over that...
> Milage is sure to vary
> 72/73 Dean

--

Heck, send me the ridiculous price they are asking for the Miracle Whip, and I'll send you a dozen 50 ohm resistors. You can experiment until you find the one that radiates best! AND, you'll have better than 1.2:1 SWR!

In fact, you can, just for this week, knock 3DB off the price! Call it 50% off the price of the Miracle Whip for 12, count em' 12 resistors!

What a deal!

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Wed, 20 Mar 2002 15:44:11 -0600
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [122698] Tinning wire on torids.
Message-ID: <003901c1d058\$5f6e6fe0\$323ffea9@Default>

MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Fellows I always have good luck with a exacto knife of fine grain sandpaper to remove the enamel from the wire works good for me.
dennis w5vaf
PS sorry but my spell checker dosen't know how to spell exacto knife either.

Date: Wed, 20 Mar 2002 15:49:33 -0600
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [122699] AMECO AC-1
Message-ID: <000701c1d059\$1fa72900\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

GUYS I just went to GOOGLE and typed in AMECO AC-1 and would you believe there is 93 web sites about this transmitter. By far this is about the best simple transmitter you can build in my book.
good luck DENNIS W5VAF

Date: Wed, 20 Mar 2002 17:02:40 EST
From: Mizuho@aol.com
To: qrp-l@lehigh.edu
Subject: [122700] Re: Miracle Whip Antenna
Message-ID: <187.5299fbd.29ca6100@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well unlike some people who have never used it and have big opinions I own one, have used it and I love it.
I have worked all over the world with just the power supply as a ground. For its size it is amazing and as a wide band rx for shortwave it can not be beat.
Sorry if the truth hurts.
Bill W9WCR

Date: Wed, 20 Mar 2002 17:04:09 -0500
From: KKANALZ@prodigy.net
To: <nn1g@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122701] Re: QRP XMTR TUBE CHOICE
Message-ID: <AA-F79B633E2816B9DAADB845335E8C6FCD-ZZ@www4.prodigy.net>

In a fit of nostalgia, Dave Benson scribed:
<snip>

>I can't resist 'thinking smaller' when it comes to
tube projects. The 955 or 958 triodes,
f'rinstance. There are also a number of wire-
lead 'pencil' tubes from the '50s which would also be
fun to use for 'flea-power' work.

>
>73- Dave, K1SWL
<snip>

I can't help but agree, Dave, but those 955 and 958
acorn tubes are getting reeeeeeeally hard to find (ask
anyone who has a Millen GDO!). Nuvistors from the
60's would be a LOT smaller, but they are a lot like
teeth in a chicken... also hard to find!

Karl K - W8TIF
McKinney, Texas
(just a few miles north of W5YR)

Date: Wed, 20 Mar 2002 14:07:08 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [122702] Re: AMECO AC-1
Message-ID: <F21CjsLtrBYx10s5qQp00018920@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: DENNIS SMITH <ne4o@swbell.net>

>GUYS I just went to GOOGLE and typed in AMECO AC-1 and would you believe
>there is 93 web sites about this transmitter. By far this is about the
>best
>simple transmitter you can build in my book.

>good luck DENNIS W5VAF

Sure is! Got my one of my very first QSLs with my AC-1...

...from the FCC monitoring station in Alaska! Oops! Seems the ol' Ameco was experiencing some harmonic difficulties...

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Wed, 20 Mar 2002 16:09:58 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <ne4o@swbell.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122703] Re: AMECO AC-1
Message-ID: <012201c1d05b\$fcf4fd80\$bb11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just wondering... did my site come up?
<http://www.qsl.net/kc0bom/homebrew.html>

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

----- Original Message -----

From: DENNIS SMITH <ne4o@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, March 20, 2002 3:49 PM
Subject: AMECO AC-1

GUYS I just went to GOOGLER and typed in AMECO AC-1 and would you believe there is 93 web sites about this transmitter. By far this is about the best simple transmitter you can build in my book.
good luck DENNIS W5VAF

Date: Wed, 20 Mar 2002 17:13:04 -0500
From: KKANALZ@prodigy.net
To: <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122704] I Didn't Say That!
Message-ID: <AA-040B633ABFED89FCA1620BEE101826D9-ZZ@www4.prodigy.net>

John quoted the following message, but *I* didn't "sez anything of the sort! I should have been more specific I guess, in describing those "tank radio" FT-241 crystals... the only ones I've seen have a brown phenolic (bakelite?) case with a white-colored embossed cap with the "Channel" and "Operating Frequency"

Someone else posted that formula for crystal blank frequency (I wish I'd known that info, so thanks!).

I do agree that they have the same pin size and spacing as the FT-243 series.... just be careful in what you "pick up" at the swapmeet.

Karl K - W8TIF
McKinney, Texas

--- Original Message ---
From: W2AGN <w2agn@pobox.com>

>On Wednesday 20 March 2002 13:27, Brad Hernlem wrote:
>> KKANALZ@prodigy.net sez:
>> There are at least two series of these crystals; one that has channel numbers with three digits and one with two digits. The fundamental frequency (in Mc) of the three digit series is simply found by dividing the channel number by 720. The two digit series have a fundamental that is equal to 20 plus the channel number divided 10, the result divided by 54.<snip>
>I have a bunch of FT-241 cased crystals, black, all

for 3500 Kc. (Khz for you whipper-snappers). I use them for band-edge markers in my BA rigs. They are >just marked "3500 Kc." Actually, I have others that are the same, but for "4600 Kc."

>

>Incidentally, perfect fit in FT-243 socket, no bending of pins or whatever.

John L Sielke W2AGN

> w2agn@pobox.com

Date: Wed, 20 Mar 2002 16:50:23 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Cc: "Mike Branca" <w3irz@att.net>
Subject: [122705] Re: QRP XMTR TUBE CHOICE
Message-ID: <001a01c1d059\$5d62b020\$92ec5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When I designed the NoGa Twin Tube 80 transmitter (see QQ October 2000 & QRPp Winter 2000 as well as the NoGa Compendium) for the North Georgia QRP club I tried numerous tubes from the 6AU6 to the 1625 (12 volt 807) and they all worked beautifully with T9 signals. All were pentode tubes in the crystal colpits circuit. A simple power supply using rectified AC and a 3 wire cord for safety insured that all exposed metal was at AC ground potential. A wall wart was used to light the filaments. All crystals worked well in this circuit including the HC-49 types and if there was any chirp it was easily cured by the addition of a 10 ohm resistor in the grid lead of the crystal. If desired this resistor could be included when building the transmitter.

For the circuit the cathode choke should be 70 uh or larger with a 100 pf cap across it and use cathode keying thru the ground end of the choke. A 7 pf cap from grid to cathode completes the feedback path. Now the only part of the circuit that you may need to tinker with is the grid bias resistor value. It is connected from grid to ground and is essentially across the crystal. For the smaller tubes up to the 6AQ5 I found 15 K to be ideal. For the 1625 the value needs to be higher especially if a higher plate voltage is used. It is easy to experiment here as you start with a high value and then put lower values across the crystal. This is a low voltage safe part of the circuit and you can hold the resistor in your fingers as you try it across the crystal. You want as low a value as you can use without making the oscillation stop. What happens is the lower values of

resistance produce a lower grid bias and therefore a higher plate current and more power. So you need to be watching the wattmeter (NoGa still has NoGaWatt kits available) and listening in a receiver. We years ago learned, as kids, not to stick our fingers in the plate, screen and power supply circuits as it was quite shocking.

I found that I could whip together one of these transmitters in less than hour. For example I just soldered the components to the pins of the 1625 and left it lay on the bench. I guarantee that you will never wear out these tubes in QRP service thus making a socket UN necessary. Please do make your power supply in a more substantial manner for safety reasons. I will bet that a good number of you already have most, if not all, the parts necessary to build one of these neat little transmitters. You may have noticed that I did not use any of the tubes that have been conventionally used in these circuits such as the 5763, 6CL6, 12BY7, 6AG7 as at QRP levels it just doesn't matter. They won't produce any more power, won't work any better and are usually are harder to find. If you have them that's fine but if you look at the older Ham pubs you will find that radio and TV tubes were used quite often, usually due to finding them in junked sets. If you want something old looking try some tubes from the pre-octal (1935) era like audio output tubes #47, 41, 38 etc. in this circuit.

What takes the time with most any rig is the mechanical construction. As I said above I can whip one together quite quickly but to make it presentable takes considerable time. QRPers have shown a tremendous amount of creativity in making their cabinetry and I guess that is one of the things that make it interesting. Have fun!

Mike Branca W3IRZ in Conyers Georgia

Date: Wed, 20 Mar 2002 17:20:04 -0500
From: "KD3PC" <kd3pc@mindspring.com>
To: <KKANALZ@prodigy.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122706] Nuvistor was: QRP XMTR TUBE CHOICE
Message-ID: <001901c1d05d\$668961e0\$0101a8c4@6545>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In digging through some stuff after my latest move..

I have a 2CW4 RCA Nuvistor, new in box available to the highest bidder....

dave

----- Original Message -----

From: <KKANALZ@prodigy.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, March 20, 2002 5:04 PM

Subject: Re: QRP XMTR TUBE CHOICE

> In a fit of nostalgia, Dave Benson scribed:

> <snip>

>

> >I can't resist 'thinking smaller' when it comes to

> tube projects. The 955 or 958 triodes,

> f'rinstance. There are also a number of wire-

> lead 'pencil' tubes from the '50s which would also be

> fun to use for 'flea-power' work.

> >

> >73- Dave, K1SWL

> <snip>

>

> I can't help but agree, Dave, but those 955 and 958

> acorn tubes are getting reeeeeeeally hard to find (ask

> anyone who has a Millen GDO!). Nuvistors from the

> 60's would be a LOT smaller, but they are a lot like

> teeth in a chicken... also hard to find!

>

> Karl K - W8TIF

> McKinney, Texas

> (just a few miles north of W5YR)

>

Date: Wed, 20 Mar 2002 16:19:14 -0600

From: Dave Redfearn <n4elm@attbi.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [122707] FS: Various Ham Band crystals

Message-ID: <3C990AE2.D3F75DA3@attbi.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The discussion on tube transmitters got me thinking and

I found a few crystals that might be useful.

Most of these are larger than FT-243s.

I could probably provide a picture if needed.

Here's a description:

1 - Crystal Unit DC-11-A 7010 KC - \$15.00
1 - Crystal Unit DC-11-A 7010 KC - \$15.00
1 - Crystal holder FT-171-B (for BC-610) 3580 KC - \$15.00
1 - Crystal holder FT-171-B (for BC-610) 3520 KC - \$15.00
1 - Crystal holder FT-171-B (for BC-610) 3510 KC - \$15.00
1 - CR-1A/AR 7010 KC - \$10.00
1 - Biley Electric Co. type AX2 3521.4 KC - \$10.00
1 - FT-243 7100 KC - \$10.00

At one time I've tried all these in my Tuna Tin II and they oscillated fine.

They will be packed in bubble wrap for shipping.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Wed, 20 Mar 2002 17:27:53 EST
From: MITCHELLRI@aol.com
To: <qrp-1@lehigh.edu>
Subject: [122708] Difficulty posting
Message-ID: <12e.e5f1c96.29ca66e9@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Has anyone else had problems posting through AOL? I think my PixieII is more reliable than AOL.

Leeds
WA1GJF

Date: Wed, 20 Mar 2002 17:37:38 -0500
From: W2AGN <w2agn@pobox.com>
To: Mizuho@aol.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122709] Re: Miracle Whip Antenna
Message-ID: <02032017373808.12723@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Wednesday 20 March 2002 17:02, Mizuho@aol.com wrote:

> Well unlike some people who have never used it and have big opinions I own
> one, have used it and I love it.
> I have worked all over the world with just the power supply as a ground.
> For its size it is amazing and as a wide band rx for shortwave it can not
> be beat.
> Sorry if the truth hurts.
> Bill W9WCR

--

Hey, no problem. I remember the old Gotham Vertical Ads. "Worked the World with my Gotham Vertical, ground mounted and NO radials." (The guy no doubt lived in a salt-water swamp. Or, "I worked 200 countries in a week with my Gotham Vertical!" (Yeah, right, never saw the guys call on the DXCC listings).

The Gotham was a 23', base loaded vertical. With no radials, that made it about 6db over a dummy load. Still, people bought them.

The truth doesn't hurt a bit. Physical laws are broken all the time. (I think I already mentioned the bumblebee). If YOUR Miracle whip gets out, great.

Heck, I still can't figure why my 40M dipole works so well, when the "experts" would say it should only be good for NVIS.

Anyone wanna buy a bridge?

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Wed, 20 Mar 2002 17:53:32 -0500
From: John R Kirby <n3aaz-qrp@juno.com>

To: qrp-1@Lehigh.EDU, GQRP@yahoogroups.com, QRPP-I@yahoogroups.com
Subject: [122710] Degauss BALUN cores
Message-ID: <20020320.175340.-147363.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Don't replace those old damaged cores rejuvenate them.

How to degauss toroid cores . . .

It is a proven fact that Toroidal cores AGE and or
can be DAMAGED by direct current (DC) spikes . . .
Cores in the Heathkit HW-8 is but one example.
This problem has been documented (several times) and
until now the only solution . . .
replace all the cores.

Why replace the cores if they can be degaussed?

Most TV picture tubes and PC video terminals
are automatically degaussed,
every time the terminal is powered up,
to remove the earth's magnetic effects.

Ever hold a permanent magnet close to a picture tube?
See what happens?
Degaussing removes this magnetic effect.

Cassette tape can be erased by the same process.

Ships are degaussed to remove their magnetic signature.

Degaussing can be accomplished
by placing the object into a low frequency
alternating current field.

In the case of a toroidal object (core) I would
think the low frequency alternating current should be
passed THROUGH the core by winding a turn or
two on the core, then apply low frequency current.

John
N3AAZ
FM 19 xa

ANXEB

RLYZC
PSJMD
FQTOU
GKVWH

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<http://dl.www.juno.com/get/web/>.

Date: Wed, 20 Mar 2002 17:55:57 -0500
From: "Ed Tanton" <n4xy@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [122711] OT - FW: A New Form of Matter
Message-ID: <001f01c1d062\$65b5cbf0\$c39efea9@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I thought you guys might be interested in this... see the link.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

-----Original Message-----
From: NASA Science News
Sent: Wednesday, March 20, 2002 4:12 PM

Subject: A New Form of Matter

NASA Science News for March 20, 2002 3:00:00 PM

Scientists have created a new kind of matter: It comes in waves and bridges the gap between the everyday world of humans and the micro-domain of quantum physics.

FULL STORY at

http://science.nasa.gov/headlines/y2002/20mar_newmatter.htm?list688402

Date: Wed, 20 Mar 2002 18:00:51 -0500
From: David Porter <aa3ur@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122712] One tube transceiver ?
Message-ID: <012f01c1d063\$157c6c60\$927ba8c0@jamison1.pa.home.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

With all this talk of exotic tubes, why not design a transceiver around an old Compactron? First you have to find one, and then you need a socket.....

David Porter AA3UR
aa3ur@comcast.net

Date: Wed, 20 Mar 2002 18:13:50 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <aa3ur@comcast.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [122713] Re: One tube transceiver ?
Message-ID: <000501c1d064\$e5bf21a0\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's been done, back in 1971. The 6T9, A 10-Watt One-Tube Transmitter. Was

in QST, several Handbooks, How to Become a Radio Amateur. Built one, great circuit! It performs just like a 2-tube design, which it essentially is (two-section tube).

72

Howard Kraus, K2UD

----- Original Message -----

From: "David Porter" <aa3ur@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, March 20, 2002 6:00 PM

Subject: One tube transceiver ?

> With all this talk of exotic tubes, why not design a transceiver around an
> old Compactron? First you have to find one, and then you need a
socket.....

>

> David Porter AA3UR

> aa3ur@comcast.net

>

Date: Wed, 20 Mar 2002 17:53:58 -0500

From: David Hinerman <wd8civ@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [122714] Re: Tinning Torroids

Message-ID: <3.0.6.32.20020320175358.00798830@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 04:33 PM 3/20/02 -0500, you wrote:

>Has anyone tried using your wife's nail polish remover to remove the enamel
>coating on magnet wire? I'm not asserting that it would work, and I don't
>have anything to test it with in front of me at the moment---just an idea.

Roy,

I have. It's not that kind of enamel...

>Of course, maybe you have your OWN polish remover, but we won't go
>there.....

...and I'm not that kind of guy. (grin)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 20 Mar 2002 18:37:59 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122715] Re: FT-243 versus FT-241
Message-ID: <5.0.2.1.0.20020320181610.00ad3aa0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks Brad, It's great to have your formula.
Ye Olde Junque Box here has a box of 80 FT-241s from a BC-604. They are the two digit version. Just miked the pins and they are the same spacing and diameter as a FT-243 so they should be good for 455 kc bfos etc.
73 Pete NV4V

At 06:27 PM 3/20/2002 +0000, Brad Hernlem wrote:
>KKANALZ@prodigy.net sez:
>>Be careful, guys! Most FT-241 crystals were originally designed and used
>>for "Tank Radios", FM on about the 10M band. The crystal blanks in the
>>FT-241 holders, however, are NOT ground for the frequency
>>(ies) marked on the holders, but are *much* lower in frequency than
>>marked on the case (you'll usually see a "Channel" number and a frequency
>>marked on the *top* of the housing).
>
>>The (relatively) high frequency shown is the *output* RF frequency of the
>>transmitter, having been multi-
>>plied several times for FM-ing the transmitter to get some deviation. It
>>is *not* the ground-frequency of the crystal blank.
>
>There are at least two series of these crystals; one that has channel
>numbers with three digits and one with two digits. The fundamental
>frequency (in Mc) of the three digit series is simply found by dividing
>the channel number by 720. The two digit series have a fundamental that is
>equal to 20 plus the channel number divided 10, the result divided by 54.
>
>Example:
>
>Channel 273 has operating frequency of 27.3 Mc but fundamental of

>27.3/72 or 379.166 kc.
>
>Channel 54 has operating frequency of 25.4 Mc but fundamental of
>25.4/54 or 470.370 kc.
>
>
>Brad KG6IOE
>
>
>
>-----
>Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 20 Mar 2002 17:51:46 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [122716] Milliwatting de W9PNE
Message-ID: <5.1.0.14.0.20020320153341.02589790@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy,

W9PNE and I exchange the occasional letter about milliwatting and antennas, especially magnetic loops. Another enjoyable note and several photos arrived today.

Brice Anderson's operating accomplishments over many decades have become legendary. However, for some operators milliwatting remains a solitary and a private pursuit. Thus we rarely have an opportunity to read about them.

Thanks to some minor afflictions, his milliwatt accumulations for DXCC and W.A.S. have not changed much in the past year. But, I thought it might be fun and inspiring to pass the current numbers along while recalling just what is possible with very low power.

Anticipating the questions, Brice has a TH5DX beam at ? feet, several half-slopers, miniature magnetic loops installed outdoors as well as another standing in his shack. His main rig is an Icom 751A.

He always speaks well of a 3' diameter circular loop using 3/4" copper tubing. It is fed with a gamma-match and mounted on a heavy flag stand. The base is at 18" and this antenna is normally used indoors. The high-Q loop was built in 1990 from Fred Hart's book.

Brice is still experimenting with antennas at age 83. His latest design is a self-resonant wire spiral for 30M using a coupling loop about 20% of the size of the main loop.

Anyway, here are W9PNE's current totals for DXCC:

5W	149 Countries
1W	125 Countries
500mW	121 Countries
250mW	120 Countries
100mW	105 Countries
50mW	85 Countries
20mW	74 Countries
15mW	63 Countries

Here are his W.A.S. totals:

50mW	50 States
25mW	48 States (missing AL and NE)
20mW	41 States

If anyone is looking for milliwatting targets or benchmarks, I suppose these totals are a good starting point.

W9PNE is not on-line. Anyone interested in corresponding please use: Brice Anderson, P.O. Box 14, Lancaster, IL 62855.

Regards,

de Dave, NF0R nf0r@slacc.com

End of QRP-L Digest 2500

